Lancaster Farming

VOL. 28 No. 6 | Four Sections | Lancaster Farming, Saturday, December 11, 1982 | $7.50 per year

With 805 pounds of fat

Lapp earns Lancaster DHIA's top award

BY DEBBIE KOONTZ

SMOKETOWN — Benuel Z. Lapp, R2 New Holland, received the top award for fat production during the Red Rose DHIA dinner meetings, Tuesday and Wednesday, at the Good and Plenty Restaurant.

With an impressive record of 805 pounds of butterfat, Lapp's statistics also included 23,464 pounds of milk for three times a day milking of 46 cows, thus designating him as high milk herd in the Holstein breed for the second year.

Other high milk herd awards by breed went to Elam Stoltzfus, R1 Morgantown, mixed breed; Harold G. Shelly, R2 Manheim, Ayrshire; Francis Kirk, R1 Peach Bottom, Guernsey; Donald Trimble, R2 Peach Bottom, Brown Swiss; Robert Ulrich, R1 Quarryville, Jersey.

Elam Stoltzfus milks 38 cows on his Morgantown farm with records of 655 pounds of butterfat and 17,767 pounds of milk. This is Stoltzfus' second consecutive year to win the award.

Top Ayrshire herd award was given to Harold Shelly for the second year also. His 17 cows claim a record of 623 pounds of

(Turn to Page A34)

Supervisors receiving the $300 superior service award at Tuesday's meeting were, front left, Wilbur Houser, Lampeter; Harold Probst, Bart; back row, Harold Lindecamp, Peach Bottom; and Tom Garrett, Palmyra. In addition to this award, Probst also received a special silver anniversary award for 25 years of service to Lancaster DHIA. Houser and Lindecamp were honored for 27 years and 29 years, respectively.

Rabid bat bite kills Lancaster County cow

BY DICK ANGLESTEIN

PEACH BOTTOM — The death of a full-grown Lancaster County dairy cow following the bite of a bat infested with rabies has increased the concern and vigilance of Pennsylvania health and agriculture officials concerning the dreaded disease.

The Holstein cow was bitten approximately two months ago and was humanely put down at the New Bolton Center of the University of Pennsylvania when its condition continued to deteriorate and it did not respond to treatment. Post mortem examination confirmed rabies.

While the cow was the only fatality in the incident, more than 30 people who had contact with her are undergoing rabies immunization. They include the Peach Bottom area farmer, his wife, son, his wife, the trucker who transported the cow, local veterinarian who began treatment and various staff and students at New Bolton Center.

About two-thirds of the people are receiving the full five-shot immunization, while the remaining third are receiving boosters to complement pre-exposure immunization they had already received.

(Turn to Page A38)

Holiday Notice

Due to the holidays, the publication of the final two issues of LANCASTER FARMING for 1982 will be advanced a day.

Deadlines for the two holiday weekend issues include: Display ads at noon on Tuesday, Dec. 21 and 28; Classified ads at 9 a.m. on Wednesday, Dec. 22 and 29; Mail Box Markets at 5 p.m. on Monday, Dec. 20 and 27; and News at 5 p.m. on Wednesday, Dec. 22 and 29.

May your preparation for these weekends be as joyous as the holidays themselves.

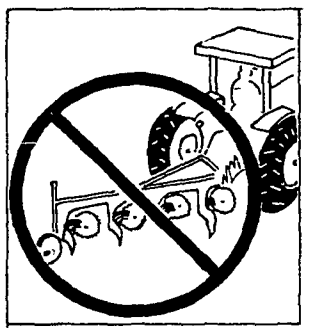
It's no-till time Thursday

YORK — A record attendance of 1,700 is expected for the 9th Annual Mid-Atlantic No-Till Conference Thursday in Memorial Hall of the York County Fairgrounds.

Memorial Hall will open at 8 a.m. for visitors to examine the record number of 50 exhibits, which feature equipment, supplies and other materials related to no-till practices.

The speakers' program will get under way at 10 a.m.

Section "D" of today's LANCASTER FARMING is chocked full of stories, photos and other information on the conference and the latest research and developments concerning no-till farming. Be sure to check Page D-10 for the complete conference speakers' program, the list of exhibitors and directions to get to Memorial Hall.



Also be sure to check today's issue for no-till advertisements, including those of exhibitors at the conference.

To quickly indentify and locate no-till information, features and other stories, look for the accompanying symbol.

LANCASTER FARMING will have an exhibit booth at the conference. Stop in and see us.

Bred to Leadfield Columbus-ET, this Valiant daughter topped Thursday's annual Golden Harvest Sale at $9,700. Dunwood-ND Cherry-ET is joined in the sales ring by (from l to r): ringmen Charlie Myers and Jay Howes; contending bidders Dorothy and Bruce Dudley of Glen Mills; Alvin Stoltzfus, consignor; Peter DeBlock, co-manager of sale; Les Hosking, leadsman and co-manager; Charlie and Horace Backus, in the box. Missing from the picture was buyer Wallace Bingham of Idaho. Additional details of the sale can be found on page A29.

Mason-Dixon Erosion group seeks $9 M. funding

BY JOYCE BUPP

YORK — Soil conservation interests from Pennsylvania and Maryland are gearing up to cultivate the depleting budgetary fields of Washington, D.C., in hopes of bringing home a harvest of some $9 million dollars.

Seventy representatives of county soil conservation districts and related agencies met last Friday at the Extension offices in York for a strategy session to coordinate efforts on seeking "target area" funding for the Mason-Dixon Erosion Control Area.

The Mason-Dixon Erosion Control Area encompasses a total of 22 counties, 14 in Pennsylvania and 8 in Maryland. The region, consisting of approximately 7.8 million total acres, 2.8 million in cropland, is considered the leading agricultural production area of northeastern United States

(Turn to Page A32)

Farm Show

LANCASTER — The 1983 Farm Show issue of LANCASTER FARMING is just a month away. Look for it on Saturday, Jan. 8.

Of course, Farm Show opens the following day and closes on Friday, Jan. 14.

Advertisers, exhibitors and show-goers with information or ideas for stories are urged to get in touch with us. Ad deadline is Wednesday, Dec. 29 and the news deadline is Wednesday, Jan. 5.

Contact LANCASTER FARMING, P.O. Box 366, Lititz, Pa. 17543, or call 717-626-1164 or 717-394-3047.

Livestock market and auction news

Lancaster Market

Monday, Dec. 6
Report supplied by USDA

	Cattle	Calves	Hogs	Sheep
Today	1050	214	1180	285
Last Monday	875	126	790	182
Last Year	967	89	1029	165
Monday's Auction	961	214	1182	298
Last Monday's Auction	846	126	790	202

CATTLE: Compared to last Wednesday slaughter steers 50-1.00 lower; heifers steady to weak; cows uneven, weak to 1.00 lower, instances 1.50 lower on Utility and Commercial; bullocks weak to 1.00 lower; bulls 1.00-2.00 lower. Supply included 58% slaughter steers, 15% heifers, 17% cows, and 10% bulls.

SLAUGHTER STEERS: Few head high Choice and Prime 3-4 1150-1350 lb. 61.60-62.00; Good and Choice 1-2 1075-1325 lb. 61.00-62.00; Choice 2-4 1050-1350 lb. 59.50-61.50; high Good and low Choice 2-3 1050-1325 lb. 57.00-59.75; Good 2-3 54.00-57.00; Good and Choice 1200-1500 lb. Holsteins 51.00-53.25, couple lots 1580-1680 lb. 51.00-51.35; Standard 1-2 1100-1350 lb. 44.50-49.50.

SLAUGHTER HEIFERS: Choice 2-3 875-1050 lb. 55.00-57.50, few yield grade 2 57.60-58.50; Good 2-3 850-1025 lb. 51.00-55.00.

COWS: Utility and Commercial 1-3 37.50-40.50, few 41.00-43.50; Cutter 1-2 37.00-39.50, few 39.50-40.50; Canner and low Cutter 34.00-37.00.

BULLOCKS: Choice 1050-1275 lb. 57.00-60.25, individual 64.10; Good 1000-1250 lb. 53.00-56.00.

BULLS: Yield grade 1 1300-2150 lb. 51.50-55.50, few head 56.00-56.50; yield grade 2 1000-1500 lb. 45.00-51.00.

VEAL CALVES: Vealers firm to 5.00 higher, most advance on high Good and low Choice 80-120 lb. Demand good for calves to return to farm.

VEALERS: Prime special fed 270-350 lb. 110.00-118.00; Choice 150-225 lb. 100.00-110.00, few 110.00-118.00, Choice 225-300 lb. 90.00-100.00; high Good and low Choice 160-280 lb. 70.00-85.00, 115-160 lb. 55.00-65.00, 80-115 lb. 45.00-55.00.

SLAUGHTER CALVES: Good and Choice 200-350 lb. 40.00-50.00, few Choice 50.00-60.00.

RETURNED TO FARM: Bulk 90-115 lb. Holstein bulls 65.00-75.00.

SHEEP: Wooled lambs mostly steady; slaughter ewes unevenly steady. Supply included 90 goats sold by the head.

WOOLED LAMBS: Choice and Prime 85-110 lb. 52.00-58.00; few Choice 70-80 lb. 55.00-60.00; Good 45-80 lb. 45.00-61.00. Around 25 head 35-50 lb. new crop lambs 115.00-126.00.

SLAUGHTER EWES: Utility and Good 10.00-30.00, mainly 15.00-22.00.

GOATS: All goats sold by the head, mainly 30.00-42.00, few 42.00-48.00.

Vintage Auction

Tuesday, Dec. 7
Report supplied by USDA

	Cattle	Calves	Sheep	Goats
Today	916	955	85	12
Last Tuesday	1002	952	10	17
Last Year	786	913	26	

CALVES: Compared to last Tuesday slaughter steers 1.50-2.00 lower, extremes 3.00 lower; slaughter heifers steady to 1.00 lower; cows 50-1.00 lower, instances 2.00 lower early; bulls 1.00-2.00 lower on small supply. Supply included 45 percent slaughter steers and 46 percent cows

SLAUGHTER STEERS: Few head Choice and Prime 3-4 1225-1500 lb. 61.75-63.25; Good and Choice 1-2 1150-1375 lb. 61.50-63.50, five head 63.75-66.00; Choice 2-4 1050-1425 lb. 58.50-61.00, few 61.00-61.75; high Good and low Choice 2-3 57.00-59,50; Good 2-3 52.00-56.50; Good and Choice 1150-1470 lb. Holsteins 50.00-53.10; Standard 1-2 45.00-49.00.

SLAUGHTER HEIFERS: Choice 2-3 950-1075 lb. 54.50-58.00, couple yield grade 2. 58.50-61.75; Good 2-3 850-1050 lb. 50.00-54.50.

COWS: Utility and Commercial 1-3 38.00-41.00, few 41.00-42.25; few early sales Commercial 3-4 35.00-38.00; Cutter 1-2 36.00-39.50, mainly 37.00-39.50, with few 39.50-41.00; Canner and low Cutter 33.00-36.25.

BULLS: Yield grade 1-2 1400-1900 lb. 47.75-52.25, couple 1200-1350 lb. 46.50-48.50.

VEAL CALVES: Vealers steady to 3.00 lower. Supply included 594 in graded sale of which 75 percent sold to return to farm.

VEALERS: Few Choice 160-235 lb. 85.00-99.00; high Good and low Choice 140-250 lb. 64.00-80.00, 115-140 lb. 52.00-65.00, 80-115 lb. 45.50-52.00, 60-75 lb. 36.00-45.50.

SLAUGHTER CALVES: Good and Choice 200-400 lb. 45.00-55.00.

RETURNED TO FARM: 20 head 110-120 lb. Holstein heifers 71.00 and 75 head 90-110 lb. 50.00-60.00. 100 head 110-125 lb. Holstein bulls 76.00-81.00; 115 head 100-105 lb. 84.00-84.50; 50 head 90-95 lb. 73.50-78.00; 65 head small frame 100-105 lb. 73.00-74.00, and 25 head 90-95 lb. 49.00.

SHEEP: Slaughter lambs mostly steady; slaughter ewes weak to 2.00 lower.

WOOLED LAMBS: Few Choice 75-90 lb. 48.00-50.00; Good 65-85 lb. 42.00-48.00; couple Choice 50-55 lb. new crop lambs 97.00-98.00.

SLAUGHTER EWES: Utility and Good 14.00-22.00, few mainly yearlings 28.00-39.00.

GOATS: All goats sold by the head, mainly 20.00-33.00, couple 44.00-54.00.

Lancaster Auction

Wednesday, Dec. 8
Report supplied by USDA

	Cattle	Calves	Hogs	Sheep
Today	359	24	516	13
Last Wednesday	311	53	655	5
Last Year	570	22	964	37
Wednesday's Auction	113	30	477	12
Last Wednesday's Auction	252	52	627	3

CATTLE: Insufficient volume of any one class for a market test.

SLAUGHTER STEERS: Choice 2-4 1150-1350 lb. 59.50-61.75; high Good and low Choice 2-3 1000-1300 lb. 57.00-59.50; Good 2-3 55.00-57.50.

COWS: Cutter 1-2 36.75-37.50; individual Utility 39.00; Canner and low Cutter 34.00-36.00.

BULLS: Yield grade 1-2 1445-2000 lb. 48.75-53.35, couple 55.35-57.35; few yield grade 2 1150-1320 lb. 46.00-48.50.

VEAL CALVES: Insufficient volume for a market test; few high Good and low Choice 80-115 lb. 45.00-52.00.

SHEEP: One lot Choice and Prime 106 lb. wooled lambs 53.00.

New Holland Livestock

Thursday, Dec. 9

CATTLE 951: Compared to last Thursday slaughter steers 1.00-1.50 lower, instances 2.00 lower; slaughter heifers steady to 1.00 lower, instances 2.00 lower on Good; Cows 1.00 to mostly 2.00 lower; bulls weak to 1.00 lower; Supply included 25 percent slaughter steers, 18 percent slaughter heifers, 44 percent cows, 8 percent bulls with the balance feeders.

SLAUGHTER STEERS: Few head High Choice and Prime 3-4 1175-1400 lb. 61.50-62.25; Good and Choice 1-2 61.75-63.00; Choice 2-4 1050-1425 lb. 59.50-61.85; high Good and low Choice 2-3 56.00-59.50, few to retail outlets 59.50-61.00; Good 2-3 53.00-56.50.

SLAUGHTER HEIFERS: Choice 2-3 875-1100 lb. 54.75-57.00, few yield grade 2 57.50-60.00; Good 2-3 825-1050 lb. 49.50-55.00.

COWS: Utility and Commercial 1-3 36.75-38.35, few 38.50-39.85; Cutter 1-2 34.50-37.50, few 37.50-39.50; Canner and low Cutter 32.00-35.50.

BULLS: Yield grade 1 1300-1800 lb. 49.50-52.50, few 52.50-54.85; yield grade 2 1000-1450 lb. 45.50-50.50.

VEAL CALVES: 643. Vealer 3.00-5.00 lower. Demand good for Holstein bulls to return to farm.

VEALERS: Couple Choice 180-210 lb. 100.00-113.00; Choice 160-280 lb. 86.00-98.00; high Good and low Choice 220-320 lb. 60.00-82.00, 120-200 lb. 50.00-65.00, 80-110 lb. 40.00-51.00, few 60-75 lb. 35.00-41.00.

RETURNED TO FARM: Bulk 90-115 lb. Holstein bulls 65.00-78.00, few 78.00-85.00; several 80-90 lb. 55.00-65.00.

SHEEP: 32. Wooled lambs mostly steady; slaughter ewes steady to weak.

WOOLED LAMBS: Choice 90-100 lb. 49.00-56.00, couple 57.00-61.00; Good 60-90 lb. 44.00-50.00.

SLAUGHTER EWES: Utility and Good 16.00-22.00.

GOATS: 13. All goats sold by the head, mainly 35.00-44.00.

Lancaster County Weekly

Friday, Dec. 10

	Cattle	Calves
This Week	3900	1850
Last Week	3901	1791
Last Year	3738	1557

CATTLE: Slaughter steers 1.50-2.00 lower; slaughter heifers steady to 1.00 lower, instances 2.00 lower on Good; cows 1.00 to mostly 2.00 lower; bullocks weak 1.00 lower; bulls 1.00-2.00 lower. Supply included 33 percent slaughter steers, 9 percent slaughter heifers, 26 percent cows, 8 percent bulls, balance feeder steers, many held for Friday's auction.

SLAUGHTER STEERS: Few head high Choice and Prime 3-4 1150-1500 lbs. 61.50-62.25, few 62.50-63.25; Good and Choice 1-2 1075-1375 lbs. 61.50-63.50, 5 head 63.75-66.00; Choice 2-4 1050-1425 lbs. 58.50-61.50, few 61.50-61.85, high Good and low Choice 2-3 56.00-59.50, Good 2-3 52.00-56.50; Good and Choice 1200-1500 lb. holsteins 50.00-53.25; Standard 1-2 1100-1350 lbs. 44.00-49.50.

SLAUGHTER HEIFERS: Choice 2-3 875-1100 lbs. 54.50-58.00, few Yield Grade 2 58.00-61.75; Good 2-3 850-1050 lbs. 49.50-55.00.

COWS: Utility and Commercial 1-3 36.75-39.50, several mainly

(Turn to Page A15)

HAY, STRAW & CORN
— SALE —
Every Friday at 12 Noon
GREEN DRAGON MARKET & AUCTION
RD No. 4 Ephrata, Pa. 717-733-2334
1 mile North of Ephrata on N. State St.
Out of State Buyers - Cash or Certified Check Only.

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Office Phone: (717) 653-8164
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RON RANCK
Ph: (717) 656-9849

LEBANON VALLEY LIVESTOCK MARKET, INC.
1 mile East of Fredericksburg along Route 22
PHONE: JONESTOWN 865-2881
Sale every Tuesday at 1 30 P.M. starting with feeder cattle and pigs.
Also Hay Sale every Tuesday at 12:30.

Open 24 hours a day
365 days a year
(717) 394-2611
AUCTIONS
MONDAY & WEDNESDAY
10:00 A.M. — Slaughter Bulls, Heifers, Steers, Cows
11:00 A.M. — Veal Calves, Lambs, Hogs
TUESDAY
10:00 A.M. — Slaughter Hogs
1:00 P.M. — Feeder Pigs
FRIDAY
11:00 A.M. — Stocker and Feeder Cattle
SATURDAY
9:30 A.M. — Slaughter Hogs
GRADED FEEDER CATTLE SALE
FRIDAY, DECEMBER 17
LANCASTER STOCKYARDS, INC.
1147 Lititz Pike
Lancaster, Pennsylvania 17601
Serving The Community For 86 Years

VINTAGE SALES STABLES, INC.
Sale Every Tuesday
11 A.M.
Slaughter Cattle Auction - Steers, Bulls, Heifers, Cows, Feeder Cattle.
Get calves in early. We start to grade and weigh at 2:00.
Sale Every Wednesday & Saturday
9 A.M.
Hog Sale
Hay and Straw Sales
Will Start Nov. 18 at 1:00 P.M.
Every Thursday thereafter
Business Phone
717-768-8204
Home Phone
215-458-8518
L. Robert Frame, Manager
Box 100 Paradise, PA
10 miles East of Lancaster on Rt. 30

NEW HOLLAND AUCTIONS
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MONDAY'S AUCTION
8:00 A.M. - Fat Hogs
10:00 A.M. - Horse Sale
11:00 A.M. - Hay, Straw & Ear Corn
1:30 P.M. - Fat Steers, Bulls, Cows & Veal
WEDNESDAY'S AUCTION
12:00 Noon - Dairy sale
1:30 P.M. - Feeder Pig Sale
THURSDAY'S AUCTION
11:00 A.M. - Beef Sale
Order of Sale, Bulls, Fat Steers, Cows, Veal
3:30 P.M. - Calf Sale
NEW HOLLAND SALES STABLES INC.
New Holland, PA
Abram W. Diffenbach, Manager
Phone 717-354-4341

Hog Markets

Lancaster Hogs

Monday, Dec. 6
Report supplied by USDA

HOGS: Barrows and gilts weak to 50 lower, although few early sales US 1 to retail outlets firm to 1.00 higher.

BARROWS AND GILTS: US 1-2 200-240 lb. 54.75-55.50, few head 55.50-56.00. US 1 200-240 lb. 56.00-57.50, around 50 head Selected early 58.00-59.75. US 1-3 220-260 lb. 54.00-55.00.

Tuesday, Dec. 7

TODAY	210
LAST TUESDAY	559
LAST YEAR	285

TREND: Compared to Monday barrows and gilts 25-50 lower.

BARROWS AND GILTS: US 1-2 200-240 lb. 54.50-55.00. Few Selected US 1 210-235 lb. 56.50-57.50. US 1-3 250-270 lb. 53.25-54.00.

Wednesday, Dec. 8

HOGS: Compared to Tuesday barrows and gilts 1.50-2.00 higher.

BARROWS AND GILTS: US 1-2 200-240 lb. 56.00-57.00. Few Selected US 1 210-235 lb. 58.00-58.25. US 1-3 205-245 lb. 55.25-56.00, Couple lots 250-265 lb. 54.75.

New Holland Feeder Pigs

Wednesday, Dec. 8
Report supplied by USDA

Today	1203
Last Wednesday	680
Last Year	827

TREND: Compared to last Wednesday feeder pigs uneven, weights under 40 lb. firm to 5.00-10.00 lower, weights over 40 lb. firm to 5.00 higher. All pigs weighed on arrival and sold by the hundred weight.

US 1-2: 36 head 25-30 lb. 142.00-152.00; 100 head 30-39 lb. 125.00-140.00; 210 head 40-49 lb. 114.00-139.00; 107 head 51-55 lb. 110.00-124.00; 84 head 60-65 lb. 102.00-117.00.

US 2-3: 117 head 29-39 lb. 120.00-122.00; 67 head 25-39 lb. 102.00-112.00; 95 head 40-49 lb. 108.00-122.00; 78 head 41-45 lb. 127.00-134.00; 41 head 50-59 lb. 81.00-107.00; 53 head 60-69 lb. 80.00-100.00; 48 head 70-79 lb. 75.00-86.00; 10 head 84-90 lb. 62.00-72.00.

UTILITY: 10 head 23 lb. 106.00; 23 head 33-36 lb. 68.00-76.00; 37 head 56-63 lb. 46.00.

New Holland Hogs

Monday, Dec. 6
Report supplied by USDA

Today	1914
Last Monday	1210
Last Year	1702

TREND: Compared to last Monday's close, barrows and gilts 1.50-2.00 lower.

BARROWS AND GILTS: US 1-2 200-240 lb. 57.00-57.35, Few early 56.50-57.00. US 1 205-245 lb. 58.50-59.10. US 1-3 230-265 lb. 55.75-56.50.

Vintage Hogs

Vintage Sales Stables
Saturday, Dec. 4
Report supplied by auction

U.S. 1 & 2 205-235 lbs. 57.00-58.50; U.S. 2 & 3 200-245 lbs. 55.00-57.00; Sows 300-500 lbs., 48.00-49.50; Boars 300-500 lbs. 44.00-49.00.

Wednesday, Dec. 8

U.S. 1 & 2 205-235 lbs. 55.00-56.50; U.S. 2 & 3 53.00-55.00; Sows 300-500 lbs, 42.00-43.50; Boars 200-400 lbs. 40.00-42.00.

Lancaster Feeder Pigs

Tuesday, Dec. 7
Report supplied by USDA

Today	1004
Last Tuesday	1200
Last Year	1218

TREND: Compared to last Tuesday feeder pigs weak to 5.00 although few 20-29 lb. firm to 5.00 higher. All pigs weighed on arrival and sold by the hundred weight.

US 1-2: 44 head 21 lb. 171.00-172.00; 33 head 22-28 lb. 144.00-158.00; 110 head 30-39 lb. 130.00-140.00; 142 head 40-49 lb. 120.00-137.50; 67 head 50-55 lb. 123.00-127.00; 27 head 55-59 lb. 104.00-110.00; 58 head 60-69 lb. 91.00-98.00; 14 head 70-78 lb. 85.00-91.00.

US 2: 33 head 55-59 lb. 86.00-99.00.

US 2-3: 28 head 23-27 lb. 127.00-136.00; 53 head 30-35 lb. 115.00-121.00; 59 head 40-49 lb. 101.00-112.00; 81 head 50-59 lb. 90.00-106.00; 5 head 67 lb. 83.00.

Indianapolis Hogs

Thursday, Dec. 9
Report supplied by USDA

1000 - Barrows & gilts- very active, 1.00-1.50 higher. US 1-2 210-240 lbs. 56.00-56.25. US 1-3 240-260 lb. 55.00-56.00.

SOWS: Active, steady-.50 higher. (8%) US 1-3 400-600 lb. 45.50-46.00.

BOARS: 300-700 lb. 40.00-41.00; others scarce.

Peoria Hogs

Thursday, Dec. 9
Report supplied by USDA

2500 - Barrows & gilts active, opening fully 1.50, instances 2.00 higher. US 1-2 200-240 lb. 55.50-56.00, about 200 head 56.25-56.75. US 1-3 200-240 lb. 54.50-55.50.

SOWS: Steady-1.00 higher. (19%) US 1-3 350-500 lb. Mostly 46.50-47.00, few 47.25; 500-650 lb. 46.50-mostly 47.00, some 47.50.

St. Louis Hogs

Thursday, Dec. 9
Report supplied by USDA

4500 - Barrows & gilts active, 1.50 to mostly 2.00 higher. US 1-2 200-240 lb. 55.50-56.00, mostly 55.75-56.00; 240-250 lb. 55.00-55.50. US 1-3 230-250 lb. 54.50-55.50; 250-270 lb. 52.50-54.50.

SOWS: .50-1.00 higher. (About 8%) US 1-3 300-450 lb. 45.00; 450-650 lb. 46.00-48.00.

BOARS: Over 260 lb. 42.50; 200-260 lb. 48.50-49.00.

Valley Stockyards

Athens, Pa.
Monday, Dec. 6
Report supplied by auction

Holtsein Hfr. Calves to 75.00 Veal Calves to 86.50 Vealer Bull Calves 55.00-81.00 Slaughter Calves 45.00-55.00 Grassers & Feeders 27.00-50.00 Lambs 42.00-51.00 Sheep 12.00-22.00 Hogs, 200 to 250 48.00-57.00 Sows 42.00-49.00 Boars 39.00-45.00 Pigs 15.00-48.00 Heifers 37.00-42.25 Steers, Medium 36.50-40.00 Steers, feeder 34.00-50.00 Bulls 41.00-51.50 Cows, utility 37.50-39.75 Cows, fat 36.50-39.00 Cows, medium 34.00-36.00 Cows, poor or small 24.25-32.00 Cattle Market steady Calf Market vealer bull clfs. higher Horses none Ponies to 55.00 Goats 6.50 to 49.00 Total No. of head 672 Hay to 58.00 Per ton Straw none.

U.S. Inspected Livestock Slaughter

Thursday, Dec. 9
Report supplied by USDA **Estimated Daily Livestock Slaughter Under Federal Inspection**

	CATTLE	CALVES	HOGS	SHEEP
This Week	528,000	43,000	1,175,000	109,000
Last Week	538,000	46,000	1,302,000	107,000
Last Year	514,000	47,000	1,433,000	101,000

Market courtesy of USDA.

Chicago Grain Futures

(Closing Bids as of Thursday, Dec. 9)

	Corn	Wheat	Soybeans	Soybean Meal
Jan.			5.75¾	
Mar.	2.42½	3.40¾	5.85¾	175.40
May	2.50½	3.48¾	5.93¾	176.40
July	2.57½	3.53½		177.20

Trend - Corn is higher, Wheat is lower, Soybeans are higher, Soybean Meal is higher.

Market Provided by Commodity Department Dean Witter Reynolds, Inc.

Futures Trading

(Closing Bids as of Thursday, Dec. 9)

	Chicago Cattle	Chicago Hogs	New York Maine Potatoes
Feb.	56.75	57.37	
Apr.	57.62	54.15	6.46
June	59.70	55.22	

Trend - Cattle are higher, Hogs are higher. Potatoes are lower.

Market Provided by Commodity Department Dean Witter Reynolds, Inc.

GRADED FEEDER SALE
Friday, December 17, 1982
11 A.M.
100 Charolais Feeder Cattle, Heifers and Steers out of Northern PA.

60 Head Angus Steer Calves weaned, weighing 450-550 lbs.

150 Other Local Cattle

Walter M. Dunlap and Sons
Lancaster Stockyards
Tel. (717) 397-5136

You Have A Choice

If you miss Monday, there is always Wednesday

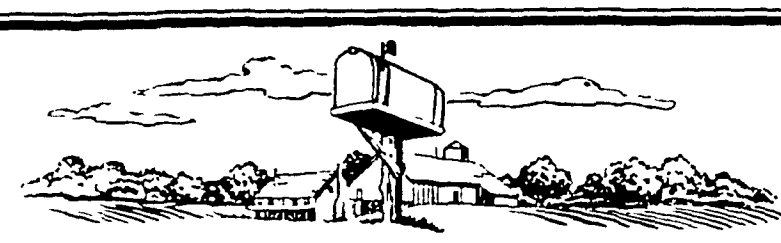
Today, as in the past, Walter M. Dunlap and Sons offers all cattle feeders the choice of what day to market their fat cattle.

Either Monday or Wednesday, we will advise you to the best of our ability what day that week we think is most advantageous to you.

So, Monday or Wednesday, you have a choice. Give us a call for market conditions and honest advice.

NEXT FEEDER PIG SALE
Tuesday, December 14 at 1 P.M.

Walter M. Dunlap and Sons
Lancaster Stockyards
Tel. (717) 397-5136
An Old Line Commission Firm
Keeping Abreast With The Times



In this issue

Editorials

Editorially speaking	A10

Departments

Farm Calendar	A10
Mailbox Markets	B34
Classified Ads	C9
Farm Business news	D6
Public Sales	D34

Dairy

Adams Annual DHIA	A16
Berks Annual DHIA	A26
Huntingdon Annual DHIA	B20
Chester DHIA	B27
Blair Annual DHIA	B28
Dauphin DHIA	B29
Juniata DHIA	B30
Clinton Annual DHIA	B30
Bedford Annual DHIA	B31
Potter Annual DHIA	B32
McKean Annual DHIA	B32
Kent DHIA	B32
Adams DHIA	C5
Sulbra Annual DHIA	C6
York DHIA	D15
Wayne DHIA	D34

Home and Youth

Homestead Notes	B2
Home on the Range	B6
Kid's Korner	B10
Chester 4-H achievement	B13
N Lebanon Young Farmers	B16
Elco Young Farmers	B16
Farm Women	B18

Columns

Now is the time	A10
Seeding, weeding	B5
Craft Corner	B9
On being a farm wife	B13
Ladies, have you heard?	B14
Ida's Notebook	B15
Farm Talk	D29
Brockett's Ag Advice	D32

Features

No till features	C2, D2
Fish farming	B24

Poultry Markets

Weekly New York Egg Market

From Friday, Dec. 3 to Dec. 9

	Fri.	Mon.	Tues.	Wed.	Thurs.
WHITE					
Jumbo	72	72	72	72	72
Ex Large	67	67	67	67	67
Large	64	64	64	64	64
Mediums	54	54	54	54	54
Pullets	44	44	44	44	44
BROWN					
Jumbo	—	—	—	—	—
Ex Large	87	84	84	84	84
Large	82	79	79	79	79
Mediums	61	61	61	61	61
Pullets					
Peewees	Unquoted				
Off Grade					
Large	53	53	53	53	53
Checks	25	25	26	27	27

Breaking Stock - Friday 9.90-10.50. Monday 8.90-10.50, Tuesday 10.20-10.80, Wednesday 10.50-10.80. Thursday - 9.90-10.50

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Nest Run Eggs

Prices are from Egg Clearinghouse, Inc., (ECI) Durham, N.H. and reflect trading prices for gradable nest run eggs (GNR) on ECI, a nationwide trading center for producers, packers and marketers. GNR eggs are classified by weight in 30-dozen cases, and traded in lots of either 300 or 750 cases. Prices are FOB buyers dock, and are computed Tuesday and Thursday of each week. This week's prices for each classification were:

Classification	Net Weight Per Case	Dec. 7 Tuesday	Dec 9. Thursday
Class 1 - Large	48 lbs.	45	47
Class 2 - Large	45 lbs.	44	43
Class 3 - Medium	42 lbs.	37½	37½
Class 4 - Small	39 lbs.	31½	31
Breaking Stock	48 lbs.	34	37½
Checks	48 lbs.	30	33

N. E. Weekly Shell Egg Report

Tuesday, Dec. 7
Report supplied by USDA

Prices paid per dozen Grade "A" Brown eggs in cartons delivered to retail stores:

	Ex. Large	Large	Medium	Small
MASS.X	84-92	82-88	69-75	46-53
Mostly	86-89	84-86	71-73	48-51
N. HAMP.	77-83	74-80	64-70	41-47
Mostly	79-82	76-79	66-69	43-46
R.I.	76-83	73-80	63-70	42-50
Mostly	76-79	73-76	63-66	42-45
VERMONT	86-98	80-93	71-80	—
Mostly	92-94	85-87	74-77	—
MAINE	82-87	79-84	69-71	46-48

X Includes Central and Western Sections only.

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Office: 22 E. Main St., Lititz, PA 17543
Record-Express Office Building
Phone: Lancaster 717-394-3047
or Lititz 717-626-1164

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Heinsey's Poultry Market

Root's, East Petersburg
Tuesday, Dec. 7
Report supplied by auction

MUSCOVY DUCKS, DRAKES: range .80-.96 per lb.

MUSCOVY DUCKS, HENS: range .60-.78 per lb.

PEKIN DUCKS: range .40-.52 per lb.

PULLETS: 6-8 lbs. range .44-.56 per lb.

RED FOWL: 4-5 lbs. range .15-.22 per lb.

RED FOWL: 5-6 lbs. range .20-.32 per lb.

CROSSBRED FOWL: 5-9 lbs. range .20-.32 per lb.

CROSSBRED ROOSTERS: 4-6 lbs. range .25-.72 per lb.

CROSSBRED ROOSTERS: 7-10 lbs. range .40-.56 per lb.

GUINEA FOWL: range 1.00-1.22 per lb.

BANTY ROOSTERS: range 1.00-2.25 ea.

BANTY HENS: range .25-1.10 ea.

LEGHORN ROOSTERS: range .24-.36 per lb.

LEGHORN HENS: range .06-.10 lb.

CAPON: 11-13 lb. range .64-.72 per lb.

GEESE: 8-17 lbs. range .52-.84 per lb.

PIGEONS: range 1.00-1.35 ea.

WHITE PIGEONS: range 1.10-1.50 ea.

RABBITS: 4-6 lbs. range .50-.82 per lb.

RABBITS: 7-10 lbs. range .35-.56 per lb.

GUINEA PIGS: range .25-.75 ea.

GOATS: range 32.00-50.00 ea.

KID GOATS: range 23.00-30.00 ea.

TOTAL AMOUNT COOPS: 1,148.

Philadelphia Eggs

Friday, Dec. 9
Report supplied by USDA

MARKET COMMENT: Prices largely unchanged. Cartoning demand although improving in many quarters is still unable to clear ample to burdensome offerings on all sizes especially mediums. Undertone - steady but cautious.

Prices to retailers: Sales to volume buyers, consumer grades white eggs in cartons delivered store door:

A Extra Large 62-67½; A Large 61-63½; A Medium 50-52½.

ATTENTION FARMERS

EVERY MONDAY
HATFIELD PACKING CO. and
BAUMS MEAT PACKING
Will Receive Your
Hogs and Cattle at the

DANVILLE LIVESTOCK MARKET
RD4, Danville, PA

- We will receive your hogs from 8 AM to 12 Noon every Monday. Your hogs will be weighed and paid for immediately.
- We will also accept your sows & boars.
- Your cattle will be received from 12 Noon to 4 PM. We will either pay for your cattle immediately or you may sell them dressed weight.
- There will not be a commission or yardage fee deducted from your check.
- You may call our office Monday morning and we will be able to tell you the base price for hogs for the day.
- Please come and give us a chance to continue doing business with you through this method.

FOR INFORMATION CALL
717-275-2880

Delmarva Poultry

Wednesday, Dec. 8
Report supplied by USDA

MARKET COMMENT: RTC movement on whole birds for immediate delivery is active and most plants can't fill all inquiries. Breasts are short of full call. Legs and wings are at least fully adequate and subject to negotiation. Slaughter schedules are heavy as most plants try to take advantage of good call. Live supplies fully adequate to ample. Weights heavier than desired. Undertone cautiously firm.

Today's L.T.L. asking prices are higher on U.S. Grade A at 43-46 cents and firmly held at that level.

Estimated slaughter of broiler fryers in Delmarva (000).

Estimated 12/9 1,957; Actual 11/2 1,789; Actual 12/7 1,766; Average Weights 12/7 4.42; 11/30 4.36.

New York Multiple Drop Broiler Report

Thursday, Dec. 9
Report supplied by USDA

Current broiler/fryer negotiated prices for immediate delivery includes mostly multiple-drop shipments to New York City from Delmarva.

RANGE: U.S. Grade A 43-45; 1,485 boxes; Branded U.S. Grade A 44-46; 14,452 boxes.

WTD. AVG.: U.S. Grade A 43.72; Branded U.S. Grade A 45.72.

Eastern Pa. & N.J. Poultry

Wednesday, Dec. 8
Report supplied by USDA

MARKET COMMENT: Prices on light type hens are unchanged to lower. Offerings ample for unaggressive processor interest. Prices sharply lower on processed hens. Undertone weak to unsettled.

Light Type Hens: 8-10, prices paid at farm.

F.O.B. plant: 10-12, mostly 11-12.

Heavy Type Hens: TFTR.

New Holland Hay

New Holland Sales Stables
Monday, Dec. 6
Report supplied by auction

161 loads.

Compared to last week, hay was 10 to 20 lower, corn steady, straw and fodder higher, except oat straw, which was steady.

Alfalfa Choice 110.00-129.00; Medium 95.00-110.00; few off color in the '80s. Mixed Hay, few choice 120.00-138.00. Clover and Timothy Mix mostly 90.00-110.00; Timothy mostly 90.00-100.00, one load at 123.00, several at 80.00-90.00. Ear corn 55.00-70.00, one load old ear corn 93.00; Clover 84.00-90.00; Straw, clean, Barley or Wheat 90.00-100.00, few at 116.00; Oat Straw mostly 55.00-65.00; Corn Fodder 51.00-65.00; Oats 2.90 per bushel; Locust Posts (Split), 1.80 each.

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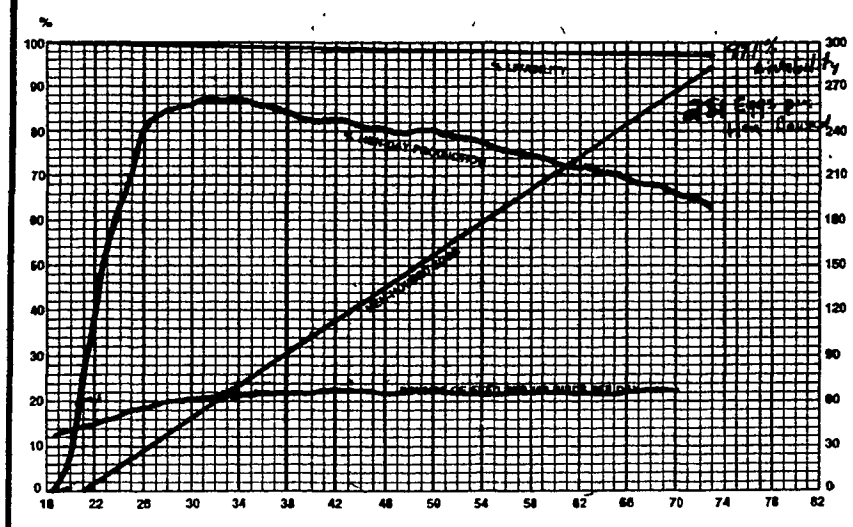

It can be done. Prove it to yourself. Here's an actual Lancaster Co. record with the following 60 week summary:

221.7 eggs per hen housed
98% livability
3.15 lbs. of feed per dozen eggs
20.27 lbs. of feed per 100 hens housed per day
75.9% average hen day production

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Moyer's CHICKS, INC.

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(215) 536-3155
HUBBARD WHITE MT. BROILERS

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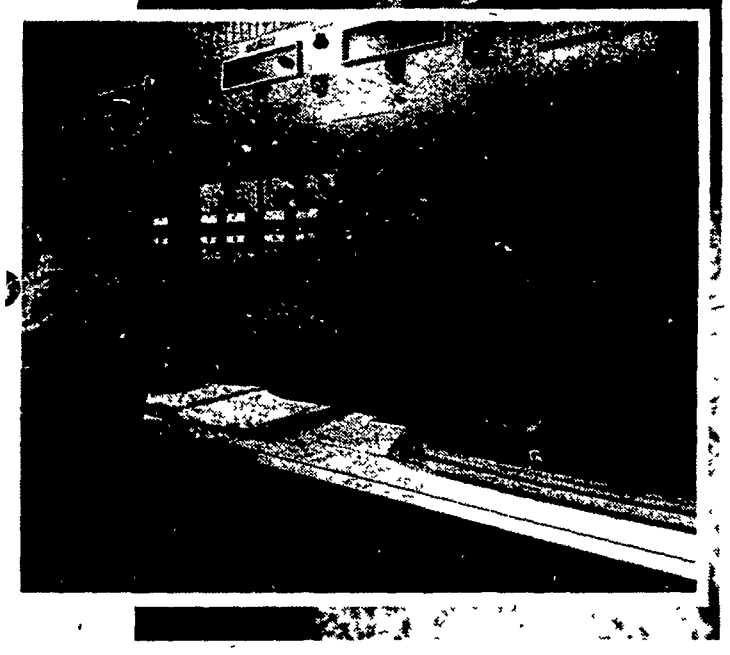

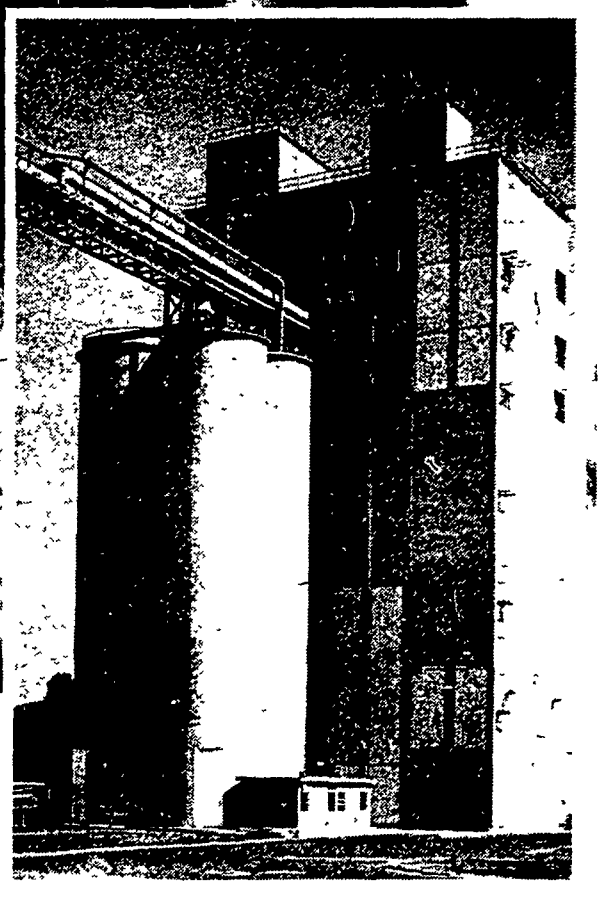

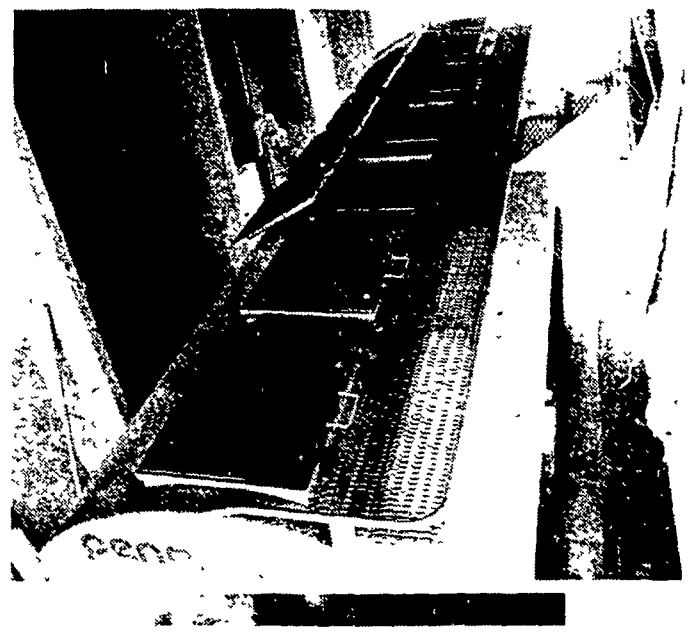

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Quality - Performance - Service

Hay Markets

Regional Hay

Friday, Dec. 3
Report supplied by PDA

(All hay No. 2 and better, prices paid by the dealers at the farm and per ton.)

Hay and Straw steady to strong.

Alfalfa 100.00-130.00; Mixed hay 80.00-100.00; Timothy hay 75.00-90.00; Straw 50.00-60.00, few 70.00; Mulch 25.00-40.00.

Green Dragon Hay

Ephrata, Pa.
Friday, Dec. 3
Report supplied by PDA

77 loads hay and 34 loads straw.

Alfalfa 96.00-130.00, few to 157.00; Mixed hay 55.00-155.00, mostly 67.00-119.00; Timothy hay 76.00-101.00, one load 114.00; Clover, one load 85.00; Straw 54.00-76.00; Ear Corn, 10 loads 45.00-60.00, few 93.00; Corn Fodder, 2 loads 44.00 and 45.00; Oats, 2 loads $1.90 and $1.95 per bushel.

Belleville Hay

Belleville, Pa.
Wednesday, Dec. 1
Report supplied by PDA

13 loads hay and 3 loads straw.

Alfalfa 98.00-117.50, one at 142.50; Mixed hay 67.50-93.00, one 117.50; Clover 101.00; Straw 53.00-55.00.

New Wilmington Hay

New Wilmington, Pa.
Friday, Dec. 3
Report supplied by PDA

30 loads hay and 5 loads straw.

Alfalfa, few 88.00-136.00, one load 165.00; Mixed hay 59.00-96.00; Timothy hay 77.00-95.00; Clover, one load 95.00; Straw 55.00-74.00; Reeds Canary Grass, one load 70.00; Ear Corn, 2 loads 68.00; Oats, 3 loads $1.56 to $1.77 per bushel.

Leinbach's Hay

Shippensburg, Pa.
Tuesday, Dec. 7
Report supplied by auction

31 loads.

Alfalfa 76.00-130.00; Mixed 85.00-112.00; Timothy 82.00-105.00; Clover 97.50-110.00; Straw 50.00-70.00; two Pickup loads Straw 72.00 & 74.00; Firewood pickup loads 25.00-42.50, one large load 60.00.

Frederick Co. Hay Auction

Thursday, Dec.9

31 loads.

Alfalfa, 87.00-150.00; clover mix, 86.00-97.50; timothy, 101.00-129.00; mixed hay and grass, 42.00-77.00; wheat straw 75.00-81.00; big round straw bales 48.00; timothy stems, 62.50; locust posts, 2.50 each; firewood, 45.00-58.00.

Vintage Hay

Thursday, Dec. 9

Mixed hay 85.00-100.00; Alfalfa 85.00-103.00; Straw 55.00-81.00; Corn 48.00.

Hagerstown Hay

Hagerstown, Md.
Wednesday, Dec. 1
Report supplied by auction

23 loads.

Alfalfa 118.00-165.00; Alfalfa & Grass 113.00-135.00; Clover & Timothy 105.00-141.00; Timothy 29.00-141.00; Corn Fodder 50.00; Wood (per cord) 29.00-42.00; Fescue 70.00; Brome 100.00-115.00.

Good's Hay

Leola, Pa.
Wednesday, Dec. 8
Report supplied by auction

39 load of Mixed Hay 63.00-122.00; 7 loads of Timothy 99.00-111.00; 8 loads of Corn 59.00-65.00; 20 loads of Straw 55.00-99.00; 16 loads of Alfalfa 85.00-139.00; 4 loads of Corn Fodder 63.00-73.00; 5 loads of Clover, 72.00-92.00; 1 load of Soybean Stalks 31.00.

Kiester's Hay

Middleburg, Pa.
Wednesday, Dec. 8
Report supplied by auction

27 loads Hay: Timothy 75.00-87.50; Mixed 83.00-121.00; Alfalfa 115.00-122.00; 8 loads Straw 60.00-66.00; one New Ear Corn 77.00.

Pa. Grain

Monday, Dec. 6
Report supplied by PDA

Compared with last Monday's market for Southeastern, Central and South Central Pa.: Corn uneven, mostly steady to 5 cents higher. Wheat unevenly steady. Barley & Ear Corn steady to strong. Oats steady.

Prices paid delivered to dealers dock - (All prices per bushel, except Ear Corn per ton.)

Southeastern Pa.

Corn No. 2-y range 2.32-2.60, average 2.48, New Crop 2.53; Wheat No. 2 range 3.10-3.35, few reported 3.54, average 3.28, New Crop 3.20-3.38; Barley No. 3 range 1.76-2.00, average 1.89; Oats No. 2 range 1.60-1.85, average 1.73; Soybeans No. 1 5.20-5.50, average 5.35; Grain Sorghum No. 2 range 1.93, average 1.93; Buckwheat range 9.80, average 9.80; New Ear Corn range 51.00-65.00, average 57.91.

Central Pa.

Corn No. 2-y range 2.40-2.55, few reported 2.25, average 2.43; Wheat No. 2 range 2.85-3.30, average 3.06; Barley No. 3 range 1.70-1.80, average 1.76; Oats No. 2 range 1.45-1.60, average 1.50; Grain Sorghum No. 2 range 5.00-5.30, average 5.15; Grain Sorghum #2 range 2.50, average 2.50; Buckwheat range 10.00, average 10.00; Old Ear Corn range 60.00-70.00, average 64.80; New Ear Corn range 45.00-55.00, average 49.37.

South Central Pa.

Corn No. 2-y range 2.20-2.45, average 2.31; Wheat No. 2 range 2.85-2.95, few reported 3.40, average 2.99; Barley No. 3 range 1.75-1.80, average 1.78; Oats No. 2 range 1.55-1.80, average 1.64; New Ear Corn range 50.00-65.00, average 54.00.

Southeastern Central & South Central Summary

Corn No. 2-y range 2.25-2.60, average 2.43; Wheat No. 2 range 2.85-3.40, average 3.14; Barley No. 3 range 1.75-2.00, average 1.81; Oats No. 2 range 1.45-1.85, average 1.60; New Ear Corn range 45.00-65.00; average 54.22.

Western Pa.

Corn No. 2-y range 2.30-2.60, average 2.41; Wheat No. 2 range 2.80-3.00, average 2.90; Barley No. 3 range 1.80-1.85, average 1.83; Oats No. 2 range 1.40-1.70, average 1.57; Buckwheat range 9.00, average 9.00; New Ear Corn range 63.00, average 63.00.

Peoria Cattle

Thursday, Dec. 9
Report supplied by USDA

Compared to last week Slaughter Steers closed 1.00-1.50 lower. Heifers .50-1.00 lower. Cows finished steady to 1.00 lower. Bulls remained steady. Trade moderate both Monday and Wednesday. Slaughter Steers and Heifers sold at lower prices this week in direct response to lower cme prices as well as lower price levels in carcass and boxed beef. Majority of weekly receipts Good to Choice 2-4 consignments with several loads carrying mud. Receipts this week about 3700 as compared to 4794 last week and 3879 a year ago.

SLAUGHTER STEERS: Choice 2-4 1025-1250 lbs. 56.50-57.50, part load 1125 lbs. Monday 58.00. Several loads YG 3-4's including Prime 1150-1350 lbs. 54.50-55.50. Mixed Good and Choice 2-3 850-1200 lbs. 55.00-56.50. Good 54.00-56.00. Holsteins: Good and Choice 1-3 1250-1450 lbs. 50.00-51.00.

SLAUGHTER HEIFERS: Choice, few Prime 2-4 925-1050 lbs. 55.50-57.00 YG 3-4's 900-1075 lbs. 54.00-56.00, mostly 4's 52.00-54.00. Good and Choice 2-3 850-1000 lbs. 53.50-56.00. Good 50.00-54.00.

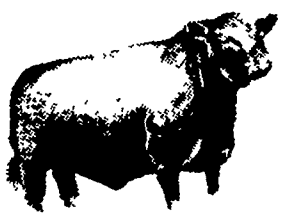
COWS: Closing sales on Utility, few Commercial 1-3 32.50-37.00, load 37.50. Cutter 28.00-33.00. Canner and low Cutter 25.00-29.00.

BULLS: YG 1-3 1100-1700 lbs. 40.00-44.00.

LEESPORT MARKET & AUCTION, INC.

North end of Leesport, PA — Turn East off Route 61

"WHERE FRIENDS MEET"



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FARMER'S MARKET Every Wednesday, 12 NOON TO 9 P.M.

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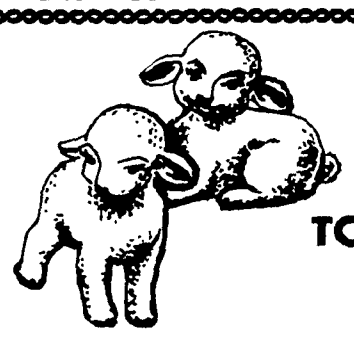
PHONE: 215-926-1307 — LEROY WEIST & JOHN WEIST, MGRS.



AN IMPORTANT NOTICE TO ALL CONSIGNORS OF LAMBS —

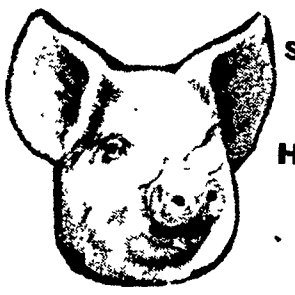
With Christmas December 25th we recommend that your lambs for the Christmas trade be consigned on Monday, December 20th. All lambs will be sold at auction beginning at noon and will be sorted and weighed upon arrival.

Keep in mind this Monday for consigning your lambs December 20th, and your consignments are respectfully solicited. Sorting and weighing will begin at 5 A.M.

For further information contact Ken Smoker area 215-593-2123 (residence) or area 717-397-5136 (office).

Walter M. Dunlap and Sons
Lancaster Stockyards

PRODUCE PORK FOR PROFIT
1982



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Livestock market and auction news

New Wilmington Livestock

New Wilmington, Pa.
Monday, Dec. 6
Report supplied by PDA

CATTLE 315: Compared with last Monday's market, slaughter cows fully .50 lower. Few Good & Choice slaughter steers 54.75-57.00, Standard 43.75-51.00, few Utility 38.00-43.25. Few Good slaughter heifers 48.00-53.00, Standard 39.00-45.00, few Utility 35.00-38.25. Utility & Commercial slaughter cows 36.25-40.25, couple 41.25-41.50, Commercial No. 4-5 32.00-36.50, Cutters 33.50-37.50, Canner & Low Cutter 25.00-34.00, Shells down to 00.00. Few Yield Grade #1 945-2055 lbs. slaughter bulls 43.00-48.00; few yield grade #2 990-1490 lbs. 37.00-42.00. Medium Frame #1 360-610 lbs. feeder steers 42.00-50.00; Medium & Large Frame #1 325-620 lbs. feeder heifers 35.00-43.00, few Medium & Large Frame #2 330-535 lbs. 30.00-34.00; Medium Frame #1 and 2 340-560 lbs. feeder bulls 41.50-49.00.

CALVES 315: Vealers mostly steady. One Prime vealer at 100.00, Choice 86.00-98.00, Good 69.00-85.00, Standard 42.00-65.00, Standard & Good 90-120 lbs. 40.00-58.00, 65-85 lbs. 34.00-45.00, Utility 50-110 lbs. 10.00-31.00. Farm calves, holstein bulls 95-125 lbs. 60.00-89.00; holstein heifers 85-130 lbs. 45.00-66.00.

HOGS 688: Barrows & gilts 1.00-1.50 lower. US No. 1-2 210-240 lbs. barrows & gilts 54.50-55.50, few to 56.00, No. 1-3 200-265 lbs. 53.50-54.85, No. 2-3 200-265 lbs. 50.00-53.00, No. 2-3 275-315 lbs. 47.00-50.00, No. 1-3 175-195 lbs. 44.00-47.00. Sows steady. US No. 1-3 315-685 lbs. sows 47.00-55.00, No. 2-3 460-845 lbs. 40.00-46.00. Boars 35.00-45.00.

FEEDER PIGS 70: US No. 1-3 25-35 lbs. feeder pigs 22.00-33.00 per head, No. 1-3 35-50 lbs. 33.00-47.00, one lot No. 1-3 80 lbs. at 54.00 per head.

SHEEP 150: Choice 65-90 lbs. wooled slaughter lambs 50.00-55.00, one lot 100 lbs. at 45.00, Good 50-80 lbs. 45.00-53.00, few Utility 45-55 lbs. 36.00-40.00. Slaughter ewes 10.00-20.00; yearlings 30.00-44.00.

Lebanon Valley Livestock

Fredericksburg, Pa.
Tuesday, Dec. 7
Report supplied by PDA

CATTLE 235: Compared with last Tuesday's market, slaughter cows weak to 1.50 lower. Two High Choice slaughter steers 59.50 and 59.85, Choice No. 2-4 965-1385 lbs. 57.75-59.25, one at 60.50, good 54.25-58.00, few Standard 50.00-56.50, few Utility 43.50-51.75. Choice No. 2-4 slaughter heifers 51.75-54.50, few Good 49.50-51.50, Standard & Good holsteins 42.00-46.25, few Utility 34.50-41.00. Utility & Commercial slaughter cows 37.00-39.50, few to 41.25, Cutters 34.00-37.75, few 39.75, Canner & Low Cutter 28.75-34.75, Shells down to 24.00. Few Standard & Good slaughter bullocks 45.00-52.50. Yield Grade #1 1275-1675 lbs. few slaughter bulls 47.75-53.50.

CALVES 229: Vealers grading Standard & Good unevenly steady. One Choice vealer at 93.00, one Good at 80.00, Standard & Good 90-110 lbs. 48.00-52.00, 60-85 lbs. 42.00-49.00, Utility 55-115 lbs. 25.00-40.00. Farm calves, holstein bulls 80-125 lbs. 52.00-89.00, mostly 73.00-86.00; holstein heifers 95-120 lbs. 54.00-87.00; few beef cross bulls & heifers 90-120 lbs. 51.00-85.00.

HOGS 198: Barrows & gilts weak to 2.00 lower. US No. 1-2 200-235 lbs. barrows & gilts 53.25-54.50, No. 1-3 200-250 lbs. 53.00-54.00, No. 2-3 200-260 lbs. 52.00-53.00, few No. 2-3 265-305 lbs. 45.00-50.00, few No. 1-3 95-150 lbs. 42.50-47.50. US No. 1-3 300-530 lbs. sows 45.75-49.25, one at 51.25. Few Boars 38.75-43.50.

FEEDER PIGS 28: US No. 1-3 20-45 lbs. feeder pigs 70.00-95.00 cwt., few No. 1-3 45-70 lbs. 30.00-44.00 cwt.

SHEEP 5: Few Good & Choice 75-100 lbs. wooled slaughter lambs 41.00-50.00.

GOATS 5: 18.00-44.00 per head.

Oklahoma Cattle

Thursday, Dec. 9
Report supplied by USDA

Estimated Receipts	650
Same Day Last Week	1437

Feeder Steers steady to 1.00 lower; demand moderate. Feeder Heifers weak to 2.00 lower; demand light. Comparisons are with Wednesdays sales to 3:00 p.m. Bulk supply Medium Frame 1 thru 2 300-600 lb. Feeder Steers and Heifers with only small numbers in any one class available.

FEEDER STEERS: Medium Frame 1 300-460 lbs. 64.50-67.76; 500-600 lb. 64.60-66.10; lot 635 lb. 64.70; package 760 lb. 62.00. Medium Frame Mixed 1-2 290-450 lb. 60.25-65.00; thin 500-525 lb. 63.00-64.00. Medium and Large Frame 2 725-800 lb. 55.75-57.75; lot 675 lb. Holstein cross 52.70. Large Frame 2 Holsteins 425 lb. 54.00; 600-775 lb. 47.00-49.50; lot 688 lb. 51.30.

FEEDER HEIFERS: Medium Frame 1 250-500 lb. 52.25-55.75; 500-615 lb. 51.50-53.75. Medium and Large Frame Mixed 1-2 300-650 lb. 48.00-52.00 few 52.00-53.30. Medium and Large Frame 2 350-675 lb. 45.00-48.25; few 725-825 lb. 43.00-43.70.

FOR THE WEEK: Compared to last Thursday - Feeder Steers steady to 1.50 lower. Feeder Heifers 1.00-2.00 lower. Slaughter Cows .50-2.00 lower. Late sales Utility and Commercial 2-4 33.50-37.00, very high dressing lots 37.00-38.50. Cutter 1-2 32.50-36.80. Canner and low Cutter 28.00-33.00. Bulls steady. YG 1, few 2, 1000-1500 lb. 44.50-48.80, low-dressing 40.00-44.50; 1500-1800 lb. 45.70-50.50, instances 52.00. Salable receipts this week estimated at 18,100 head compared with 18,066 head last week and 18,083 head the comparable week one year ago. Feeder Cattle and Calves made up large share of total run (87 percent estimated). Cows and Bulls comprised bulk of balance at near 13 percent.

Lancaster Feeder Cattle

Friday, Dec. 3
Report supplied by USDA

Today	498
Last Friday	251
Last Year	698

TREND: Feeder steers mostly steady, instances 2.00 higher on some lots of Large Frame 2. Supply included 189 in graded sale, sold in lots of 10 or more, balance mainly in lots of three or less.

FEEDER STEERS: Medium 1: Few lots 425-485 lb. 60.75-63.10; one lot 605 lb. 58.00. Medium and Large 1: Couple lots 650-775 lb. 63.50-64.00. Small and Medium 1: One lot 470 lb. 60.35 and one lot 545 lb. 59.50. Small 1: One lot 380 lb. 56.00. Medium 1-2: Couple lots 540-750 lb. 57.50-58.50. Medium and Large 1-2: One lot 765 lb. 59.10. Large 2: One lot 725 lb. 61.25. large 2 Holsteins: One lot 825 lb. 46.25; couple lots 550-560 lb. 42.85-43.75.

FEEDER HEIFERS: Small and Medium 1-2: One lot 445 lb. 50.25.

FEEDER BULLS: Large 1: one lot 594 lb. 60.75.

Keisters Middleburg Livestock

Middleburg, Pa.
Tuesday, Dec. 7
Report supplied by PDA

CATTLE 334: Compared with last Tuesday's market, slaughter cows 1.00-3.00 lower. Few Low Choice 1080-1280 lbs. No. 2-4 slaughter steers 56.85-59.35, Good 53.75-56.00, few Standard 45.00-52.50. Choice slaughter heifers 51.75-57.00, Good 49.00-52.60. Utility & Commercial slaughter cows 35.75-38.75, couple to 41.35, Cutters 34.00-37.50, Canner & Low Cutter 30.50-34.00, Shells down to 28.00. Few Good slaughter bullocks 49.00-50.00. Yield grade #1 1020-1680 lbs. slaughter bulls 43.85-51.85. Large & Medium Frame #1 390-850 lbs. feeder steers 51.00-61.00; few Large Frame #2 550-725 lbs. feeder heifers 36.50-45.50.

CALVES 208: Choice vealers 79.00-93.00, Good 65.00-79.00, Standard & Good 40.00-49.00, Utility 50-80 lbs. 30.00-40.00. Farm calves, holstein bulls 90-125 lbs. 51.00-75.50, mostly 65.00-72.00.

HOGS 733: (Monday, Decmeber 6, 1982). Barrows & gilts strong to .50 higher. US No. 1-2 210-235 lbs. barrows & gilts 56.50-58.00, few to 59.00, No. 1-3 210-250 lbs. 56.00-56.50, No. 2-3 190-270 lbs. 52.00-56.00. US No. 1-3 375-650 lbs. sows 47.25-50.75. Boars 41.50-45.25. Tuesday 92. One lot No. 1-3 220 lbs. 53.85, one lot No. 2-3 260 lbs. at 52.25, one lot No. 2-3 330 lbs. at 46.75.

FEEDER PIGS 373: US No. 1-3 20-40 lbs. 30.00-48.00 per head, No. 1-3 40-60 lbs. 45.00-61.00 per head.

SHEEP 10: Few Choice 85-125 lbs. wooled slaughter lambs 45.00-48.50.

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Livestock market and auction news

THE OLD FARMER'S ALMANAC

DEC. 13-19, 1982

Get out snow fences before the blast commences.

Get your Christmas tree this week . . . Grandma Moses died Dec. 13, 1961. New moon Dec. 15 (Wed.) . . . Average length of days for the week, 9 hours, 6 minutes . . . Look for meteor showers on the 13th (Mon.) . . . Battle of the Bulge began Dec. 16, 1944 . . . Wreck of the Hesperus Dec. 17, 1839 . . . *If the family lives in harmony, all affairs will prosper.*

Ask the Old Farmer: A friend of mine told me that when he was a boy, whenever he asked his mother what they were having for dinner, she often answered "bread and skip." But I've forgotten what it means. Does it ring a bell with you? E.S., Tulsa.

No second course.

Home Hints: Next time you braise shoulder lamb chops, add some strips of carrot and onion to the braising liquid. You'll like the flavor

OLD FARMER'S WEATHER FORECAST

New England: Week begins with sleet south, snow north, cold temperatures; followed by more cold temperatures, snow; then clearing.
Greater New York-New Jersey: Showers, mild temperatures through midweek; week's end is cold, with freezing rain and snow north
Middle Atlantic Coastal: Few showers, mild, first part of week; rest of week brings rain, snow mountains, cold temperatures.
Piedmont & Southeast Coastal: Week's beginning is sunny, mild; showers, cold temperatures midweek; clearing over weekend.

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Eighty-four Livestock

Eighty-four, Pa.
Monday, Dec. 6
Report supplied by PDA

CATTLE 507: Compared with last Monday's market, slaughter cows steady to $1 higher, spots $2 higher, most advance on Utility & Commercial. Choice slaughter steers 57.50-60.00, Good 53.00-57.00, Standard 44.00-52.00, Utility 39.00-44.25. Few Choice slaughter heifers 54.00-57.50, Good 50.00-53.50, Standard 43.00-48.50, few Utility 38.50-42.00. Utility & Commercial slaughter cows 36.75-41.75, few 42.00-45.25, Commercial No. 4-5 36.00-40.50, Cutters 34.00-37.50, Canner & Low Cutter 28.00-34.50, Shells down to 20.00. Yield Grade #1 900-1900 lbs. slaughter bulls 45.00-52.25; yield grade #2 1000-1400 lbs. 42.00-45.50. Medium Frame #1 300-500 lbs. feeder steers 50.00-58.00, Large Frame #1 400-750 lbs. 55.00-62.00; Medium Frame #1 350-600 lbs. feeder heifers 43.00-47.00, few to 50.00; Medium Frame #1 350-600 lbs. feeder bulls 50.00-55.00.

CALVES 314: Vealers about steady. Choice vealers 85.00-92.00, Good 68.00-84.00, Standard & Good 90-120 lbs. 44.00-56.00, 60-85 lbs. 40.00-46.00, Utility 50-80 lbs. 15.00-30.00. Farm calves, holstein bulls 90-125 lbs. 58.00-70.00.

HOGS 107: Barrows & gilts 25 cents to 50 cents higher. US No. 1-2 200-240 lbs. barrows & gilts 54.50-55.75, No. 1-3 210-260 lbs. 53.50-54.60, one lot No. 1-3 140 lbs. 51.50. US No. 1-3 300-500 lbs. sows 46.50-52.50. Boars 35.50-39.00.

FEEDER PIGS 14: Couple US No. 1-3 25 lbs. feeder pigs 20.00 per head, one lot No. 1-3 45 lbs. 38.00 per head.

SHEEP 363: Wooled slaughter lambs 75 cents to $1 higher. Choice 75-105 lbs. wooled slaughter lambs 53.00-55.75, few Good 80-90 lbs. 51.00-53.50, Utility 30-55 lbs. 40.00-44.00, Good & Choice 60-75 lbs. feeders 50.00-57.50. Slaughter ewes 16.00-23.00.

Four States Livestock

Hagerstown, Md.
Wednesday, Dec. 1
Report supplied by auction

SLAUGHTER: Fed Steers- $1.00 higher. Choice 57.00-59.00; Good 52.00-56.00; Medium 51.00 down. Heifers- Choice 51.00-53.25; Good 46.00-50.00; Medium 45.00 down. Cows- Good run $1.00 higher. High Yield 41.50-44.50; Average 38.00-41.00; Big Middle 35.00-37.00; Fatty Herf. 34.00-36.00; Shelly 36.00 down. Fat Bulls- $1.00 higher. Good 47.00-51.00; Medium 40.00-46.00. Veal Calves- $2.00 lower. No Choice; Good 71.00-77.00; Medium 60.00-70.00; Farm Hfrs. to 70.00; Farm Bulls to 75.00; Light & Weak 42.00 down. Lambs- Steady prices. Choice 45.00-46.00; Good 41.00-44.00; Medium 40.00 down.

STOCKER: Steers 300-550 lbs. $2.00 over last week. Choice 55.00-58.50; Good 50.00-54.00; Medium 45.00-49.00; Culls 44.00 down. Steers 600-850 lbs. Choice 53.00-55.00; Good 48.00-52.00; Medium 47.00 down. Heifers (All weights) Choice 52.00-59.00; Good 45.00-51.00; Medium 44.00 down. Bulls- Choice 50.00-53.00; Good 44.00-49.00; Medium 43.00 down. Dairy Cows- to 525.00. No Choice Good $71.00-77.00 Springing Heifers Medium 60.00-70.00 To $610.00 Farm Ffrs. to 70.00 Farm Bulls to 75.00 Pigs, hd.- Good run, steady prices. 20-30 lbs. 26.00-35.00; 40-60 lbs. 36.00-48.00. Shoats by lb. to 48.00. Slaughter Hogs- $1.00 under last week. 200-230 lbs. 53.00-54.50; 240-260 lbs. 52.50-55.50. Sows- 43.00-50.00. Thin Sows 37.00-42.00.

Carlisle Auction

Carlisle, Pa.
Tuesday, Dec. 7
Report supplied by auction

CATTLE: Steers were steady; Heifers were 4.00 to 5.00 higher; Cows were 1.00 lower; Bullocks were steady; Bulls were .75 lower. Steers: Good run; Low Choice to 58.00; Good 57.50-55.50; Standard 50.00-52.25; Utility 49.75 Down. Heifers: Good run; Choice to 59.75; Good 49.50-52.75; Standard 45.25-47.50; Utility 43.25 Down. Cows: Utility & Commercial 37.85-39.60; Individual 40.75; Cutter 35.85-38.85; Canner & Low Cutter 32.00-36.55; Shells 30.00 Down. Bullocks: Good to 54.25; Utility to 49.25; (No Choice offered); Bulls: Yield Grade No. 2, 45.00-48.75.

FEEDER CATTLE: Steers were 2.00 to 4.00 higher; heifers were 3.00 to 5.00 higher; Bulls were 1.00 higher! Active Bidding. Steers: Good 190-395 lbs. 49.00-55.00; Good 410-495 lbs. 52.00-60.00; Medium 300-360 lbs. 41.00-46.00; Medium 460-675 lbs. 41.00-47.00; Medium 655-710 lbs. 45.00-52.00. Heifers: Medium 415-480 lbs. 46.50-47.50; Medium 435-450 lbs. 35.00-42.00.

CALVES: Vealers were 15.00 higher with very strong demand; Back to the farm calves were steady to 1.00 lower for Hol. Bulls. Vealers: Choice 78.00-100.00; Good 65.00-80.00; Standard and Good 58.00-70.00; Light and Weak 55.00 Down. Farm Calves: Hol. Bulls 75.00-78.00.

HOGS: Barrows & Gilts were 1.60 lower; US No. 1-3 53.50-55.00; US No. 1-3 49.75-53.00; US No. 2-3 48.75 Down. Sows: 4.00 higher! US No. 1-3 45.00-53.50; No. 2-3 40.00-46.00. Boars: 2.50 higher! Average 40.00-46.50.

FEEDER PIGS: US No. 1-3 36-50 lbs. 40.00-49.00 Hd. US No. 1-3, 20-26 lbs. 36.00 Hd.

SHEEP: Lambs: Good 44.50-46.50 (No Choice offered) Goats: 24.00-46.00 Hd.

Omaha Cattle

Thursday, Dec. 9
Report supplied by USDA

Compared to last week's close, Slaughter Steers and Heifers ended the week 1.00 lower. Cows and Bulls steady.

Most of the week's decline occurred on Monday's liberal receipts, coincident with losses in the beef trade. Prices firmed up somewhat at midweek, when buyers were forced to purchase cattle for immediate slaughter and salable numbers declined. Numbers of YG 4 cattle and 1250-1350 lb. Steers increased, with pressure constantly applied on Y.G. 4's and at times Steers over 1300 lbs.

Steers comprised 50 pct of week's receipts, Heifers 32 pct.; Cows 6 pct; Feeders 11 pct. Four Day Receipts 12,342; Last Week 14,538; Last Year 14,145.

STEERS: At the close three loads Choice 2-3 1150-1350 lbs. 59.25 to 59.75. Choice 2-4 1000-1300 lbs. 58.00-59.00. Choice 3-4, few 5's 1100-1350 lbs. 56.50-58.00. Mixed Good and Choice 2-3 1050-1200 lbs. 57.00-58.00. Few Good 55.50-57.00. Mixed Good and Choice 2-3 1100-1350 lbs. Holsteins 50.50-53.00.

HEIFERS: Two loads and part load Choice, few Prime 2-4 1000-1050 lbs. 57.50. Choice 2-4 925-1100 lbs. 56.00-57.00. Few 875-950 lbs. 55.50-56.00. Mixed Good and Choice 2-3 900-1050 lbs. 55.00-56.00. Good 52.00-55.00.

Average of LS-214, detailed quotations for Choice 900-1100 lb. Steers 58.50; 1100-1300 lbs. 58.82. Average cost Steers 57.80, average weight 1172 lbs. as compared 59.50 and 1170 lbs. a week ago. Average cost Heifers 56.45, average weight 1009 lbs. as compared 57.32 and 1020 lbs. a week ago.

COWS: High Cutter, Utility and Commercial 1-3 33.50-35.00, few to 36.00. Canner and low Cutter 30.00-33.00.

BULLS: 1-2 1100-1800 lbs. 43.00-48.50.

Dewart Livestock

Dewart, Pa.
Monday, Dec. 6
Report supplied by PDA

CATTLE 242: Compared with last Monday's market; few Low to Average Choice 1050-1390 lbs. slaughter steers 56.75-60.25, Good 52.25-55.75, Standard 48.50-52.00. Few Choice slaughter heifers 56.75-59.25, few Good 48.75-53.00, few Standard 45.25-48.25. Utility & Commercial slaughter cows 36.75-40.00, couple to 42.00, Cutters 35.75-38.00, Canner & Low Cutter 32.00-35.75, Shells down to 20.00. Yield Grade #1 1130-1910 lbs. slaughter bulls 42.00-53.00. Few Large Frame #2 420-560 lbs. feeder steers 52.50-59.50; few Medium Frame #1 300-450 lbs. feeder heifers 36.00-45.00.

CALVES 252: Choice vealers 76.00-90.00, one at 101.00, Good 76.00-85.00, Standard & Good 110-120 lbs. 58.00-78.00, 70-100 lbs. 45.00-53.00, Utility 50-80 lbs. 30.00-45.00. Farm calves, holstien bulls 90-120 lbs. 56.00-73.00, few to 80.00; beef cross bulls 85-110 lbs. 68.00-97.00.

HOGS 275: US No. 1-2 200-230 lbs. barrows & gilts 56.10-56.85, No. 1-3 195-250 lbs. 53.50-55.75, No. 2-3 265-285 lbs. 50.50-52.85, one lot No. 2-3 300 [illegible] 200-615 lbs. sow[illegible] 45.[illegible] F[illegible] 10-[illegible] feeder pigs 20.00-27.00 per head, No. 1-3 35-45 lbs. 40.00-48.00 per head.

SHEEP 43: Choice 70-110 lbs. wooled slaughter lambs 49.00-55.00, Good 55-80 lbs. 37.00-48.00.

North Jersey Livestock

Hackettstown, N.J.
Tuesday, Dec. 7
Report supplied by auction

1241 head.

Calves 25.00-87.50; Cows 25.00-43.00; Easy Cows 20.00-38.00; Heifers 33.00-49.75; Bulls 35.50-59.25; Steers 37.00-59.00; Hogs 45.00-60.25; Roasting Pigs, each 20.00-49.00; Kids 8.00-39.00; Boars 42.00-43.00; Sows 43.25-46.00; Sheep 12.00-37.00; Lambs, each 24.00-46.00; Lambs per lb. 30.00-70.00; Goats, each 18.00-58.00; Hides 1.[illegible] 8.00.

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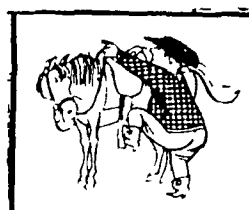
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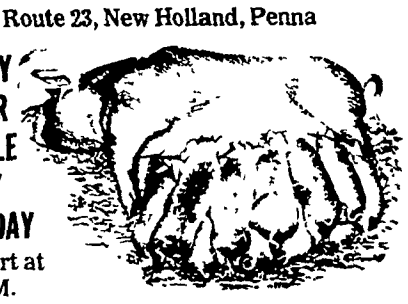
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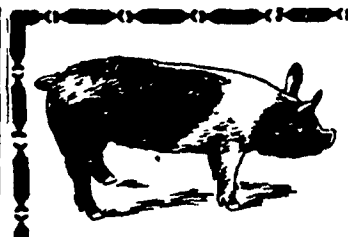
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Va. market summary & sale reports

Virginia Auction Summary

Dec. 2-8
Report supplied by VDA

Total of Va. Weekly Feeder Cattle Auction Receipts: 8,000.

TREND: About steady.

Northern, Va.
Auction Summary
Dec. 2-8

STEERS: 300-500 lbs. Medium 1 54.00-65.50; Large 1 58.50-68.00; Small 1 46.50-59.00. 500-700 lbs. Medium 1 51.50-63.50; Large 1 55.00-64.50; Small 1 47.00-58.00. 700-1000 lbs. Medium 1 50.00-60.00; Large 1 51.75-61.00; Small 1 52.00-57.00.

HEIFERS: 300-500 lbs. Medium 1 42.00-54.00; Large 1 42.00-54.00; Small 1 38.00-48.00. 500-700 lbs. Medium 1 42.00-54.00; Large 1 44.00-56.00; Small 35.00-46.00. 700-900 lbs. Medium 1 40.00-51.00; Large 1 45.00-48.00.

Southwest Va.
Auction Summary
Dec. 2-8

STEERS: 300-500 lbs. Medium 1 55.00-67.00; Large 1 54.00-66.00; Small 1 49.25-60.00. 500-700 lbs. Medium 1 54.00-65.00; Large 56.00-65.00; Small 1 46.50-58.00. 700-1000 lbs. Medium 1 50.00-61.00; Large 1 55.00-59.50; Small 1 50.00-53.00.

HEIFERS: 300-500 lbs. Medium 1 42.00-52.50; Large 1 45.00-54.00; Small 1 38.00-49.50. 500-700 lbs. Medium 1 41.00-53.50; Large 1 40.50-53.50; Small 1 37.00-46.50. 700-900 lbs. Medium 1 40.00-48.00; Large 1 44.00-49.00; Small 1 36.00-39.00.

Southeast Va.
Auction Summary
Dec. 2-8

STEERS: 300-500 lbs. Medium 1 45.00-55.25. 500-700 lbs. Medium 1 49.50-57.00. 700-1000 lbs. Medium 1 45.50-58.75.

HEIFERS: 300-500 lbs. Medium 1 40.00-48.00. 500-700 lbs. Medium 1 40.50-46.00.

Shenandoah Valley Livestock

Harrisonburg, Va.
Saturday, Dec. 4
Report supplied by auction

FEEDER CATTLE: Trend- 1.50-2.00 higher. Steers: M&L-1 300-500 lbs. 58.00-65.50; 500-700 lbs. 57.00-64.50; 700-1000 lbs. 52.00-58.25; Holstein 300-1000 lbs. 42.00-48.00. S-1&M&L-2 300-500 lbs. 50.00-57.50; 500-700 lbs. 50.00-55.50; 700-1000 lbs. 50.50-55.50. Feeder Bulls: M&L-1 300-500 lbs. 53.00-58.00; 500-700 lbs. 48.00-54.00. S-1&M&L-2 300-500 lbs. 48.00-55.00. Heifers: M&L-1 300-500 lbs. 42.00-46.00; 500-700 lbs. 42.00-48.25; 700-800 lbs. 40.00-48.00. S-1&M&L-2 300-500 lbs. 37.00-43.00; 500-700 lbs. 40.00-43.50. Stock Cows: Baby Calves 25.00-62.50.

SLAUGHTER COWS: Trend-1.00 lower. Utility & Commercial 2-4 34.00-38.50; Canner & Cutters 1-3 26.00-33.00.

SLAUGHTER BULLS 1&2: 42.50-49.25.

LAMBS: Trend- Steady. High Choice & Prime 51.00; Choice 49.75; Feeder Lambs Choice 48.50-49.75; Slaughter Ewes 12.50-14.50.

HOGS: Sows 1-3 50.00-58.50; Boars 38.50-39.50.

VEAL: Choice & Prime 75.00; Good 50.00-60.00.

SLAUGHTER CALVES: Choice 40.00-48.00.

East Coast Carlot

Wednesday, Dec. 8
Report supplied by USDA

Compared to Tuesday's close: Prime special fed veal 1.00 to 3.00 higher in moderate test. Good and Choice Boning veal steady; no inshipped veal reported. Boneless beef lightly tested, 1.00 to 3.50 lower.

VEAL CARCASS
220 Head
Prime
Hide On

180-240 lbs. 163.00-168.00, 1.00 to 3.00 higher

BONING TYPE
Hide On
Good & Choice

Northeastern Suppliers: All generally steady. 65-75 lbs. 76.00-78.00; 55-64 lbs. 74.00-76.00; 45-54 lbs. 72.00-74.00; 35-44 lbs. 70.00-72.00; 34 lbs. down 68.00-70.00.

Inshipped: No sales reported.

LAMB CARCASS
Choice & Prime 3-4
1/2 Load

55 lb. down - 116.00, part load

BONELESS BEEF
8 Loads

90 pct chem lean, fresh 109.00-109.50, 1.00-3.50 lower.

85 pct chem lean, fresh 101.50-103.00, 2.50 lower.

75 pct chem lean, frozen 85.00, 3.00 lower.

CURED AND PROCESSED MEATS
8 Load

Skinned Hams, 16-20 lbs. 129.00, no recent test.

Semi-Boneless Hams, 14-17 lbs. 136.00, steady.

Boneless Hams 13-17 lbs. 185.00, weak.

Franks, 70 Beef, 30 Pork, 1 lb. pkg. 92.00, steady.

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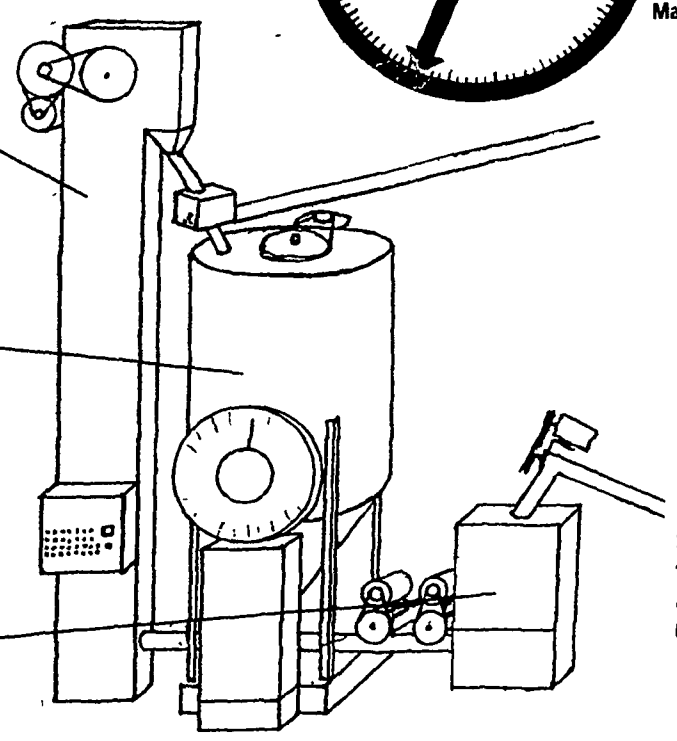
REDUCE FEED COSTS WITH

The Farm Size Milling System That Weighs Each Ingredient.

Master Mill™
Formerly Martin Automatic Milling System



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- Powerful magnets remove metal before entering grinding compartment

Safety circuits will stop the complete system if any part of the system malfunctions.

The Master Mill automatically grinds, mixes and delivers up to 5 different rations to your bins as needed. Ground corn and up to 7 other ingredients are individually augered into the mixer to each prescribed weight. The rotation of feed through the bucket elevator and mixer auger thoroughly mixes all ingredients for 5 minutes. Discharge augers then deliver the feed to designated feed tanks.

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FRIDAY, DECEMBER 24
ON THE FARM MONTHLY
BRED GILT SALE
Sale to Start Promptly at 1:00
Every 4 Weeks

Located 18 miles south of Lancaster, Pa., 6 miles south of Quarryville, take Rt. 272 to Little Britain, turn north, follow Little Britain Road to Jackson Road, 2nd farm, OR take Rt. 222, out of Quarryville to Cedar Hill Road to Little Britain Road to Jackson Road. Watch for sale arrows.

50 to 60 Head
Now selling our new hybred gilts representing mostly York & Hampshire & Landrace cross. Bred for easier & Less trouble over farrowing and better weight gains.

Validated Brucellosis Free Herd #169
Qualified Pseudorabies Free Herd #55

Hand Mated
36 Head Due Between Dec. 28 and Jan. 4
20 Head Due Between Jan. 4 and Jan. 18.

Local Trucker Available
No Hogs Sold On Commission.

CHRIST A. BEILER
R.D. 2, Quarryville, Pa
JOHN B. STOLTZFUS
R.D. 1, Kirkwood, Pa
Abe Diffenbach, Auctioneer

NEXT SALE DATE JANUARY 21

Off the Sounding Board

By Sheila Miller, Editor

Farmlife's ho-hum tune

"How're ya gonna keep 'em down on the farm now that they've seen Paris?"

Those lyrics to a tune whose title has long-since been forgotten, along with its remaining verses, aptly apply to the mass exodus that's been occurring on American farms since the early part of this century.

Despite the fact that the ratio of men to women would seem to make life in the country heavenly for the female populous (107 men to 100 women, compared to 88 men to 100 women in the nonfarm areas), there are far less people living on farms in the U.S. today than in years past. According to the latest look at the farm population by USDA's Economic Research Service and the Bureau of Census, only about one American in 40, or 2.6 percent of the nation's population, lived on a farm in 1981.

It seems hard work and economic conditions have been paring away at the farm community until all that's left are the hard-core farmers. Our current 2.6 percent is a far cry from the 30 percent of the U.S. population who lived on farms in 1920.

Besides the number of farms dwindling, the ERS study pointed out another surprising statistic — that the median age of farm residents is getting "older."

"The median age of farm residents is about 36 years, compared with 30 for the nonfarm population. About 51 percent of farm residents are 35 or older, while only 42 percent of nonfarm residents fit into this age group," reports researcher Vera Banks.

"Until the last few decades, the farm population was the younger of the two. In 1920, 70 percent of farm residents were under age 35, compared with only 64 percent of nonfarm residents.

"This change results, in part, from the heavy outmigration of young adults from farms during the last generation."

But, life on the farm, especially in Pennsylvania, has some advantages which should provide our farm youth with an incentive to stay, even if they do travel to France and see the world. And for that reason, Pennsylvania farmers have declined in age from 1969-78 — going from an average of 50.5 years to 49.8, below the U.S. average of 50.1.

Part of the reason for this "youthful" farm age might be linked to the low rate of unemployment generally experienced on farms.

According to ERS, 1981 figures show only 3 percent of farm residents were without jobs and looking for work. In contrast, 8 percent of the nonfarm labor force was unemployed. And, more farm men were in the labor force than their nonfarm counterparts — 64 percent compared to 62 percent — during the past year.

Farm residents, women particularly, are more likely to be married and living with a spouse than are nonfarm residents, notes Banks. "This applied to 72 percent of farm women 15 and older, but only 54 percent of nonfarm women."

And farm families are blessed with more children, according to USDA figures.

All this paints a picture of a happy, satisfying environment where men and women have a symbiotic relationship, helping one another survive in a toilsome lifestyle, sticking together through thick and thin.

While marriage and families may be two good reasons for staying on the farm, one major factor attributing to the forced-migration flight from the agrarian way of life is income. Farm families continue to trail their nonfarm counterparts in total dollars earned.

ERS figures reveal that in 1980, the difference was more than $5,000 in median family income, with farm families earning $15,755 (farm and off-farm income) and nonfarm families earning $21,151. Although inflation hit both farmers' and nonfarmers' pocketbooks, farmers were hit the hardest.

Now, in the face of record grain crops and continually decreasing farm incomes, U.S. farmers are looking to exports and government aid for salvation from foreclosures. But USDA recently announced projected farm exports in the amount of $42.5 billion for fiscal 1982 won't even reach the revised August projection of $40.5 billion.

The USDA figures show export volume dropping 11 percent from a year ago to 11.5 million metric tons. The value of those farm exports has also dropped to $2.5 billion — down 15 percent from a year earlier.

With September figures still being tallied, it's easy to guess U.S. exports will fall far short of the $3.8 billion worth needed just to meet August's forecast. Up until September, U.S. exports only totaled $36.7 billion — down 10 percent from 1981 statistics.

Consequently, even though Soviet and Mexican grain sales will take a bite out of this year's surplus harvest, U.S. farmers will still be facing lower prices for their crops. Coupled with the Reagan administration's efforts to wean the farm community off the federal support bottle, farmers find themselves between a rock and a hard place, economically. Their only hope of not becoming just another statistic in the decreasing numbers of farmers rests in the understanding of bankers and Congress.

Farm Calendar

Monday, Dec. 13

Kent County Crops Meeting, Felton Fire Hall, Felton, Del.

Tuesday, Dec. 14

Berks Farm Business Workshop, continues tomorrow, 9 a.m. - 3:15 p.m., Berks County Ag Center.

Wednesday, Dec. 15

York Sheep and Wool Growers, 7 p.m., York 4-H Center. Topic - lamb suvival.

Schuylkill County Milker School, continues tommorrow, 10 a.m. -

(Turn to Page A12)

OTIS

I HEARD THAT YOU GOT AN EARLY HARVEST ON YOUR CROPS THIS YEAR OTIS
YUP!
IT MUST HAVE BEEN NICE GETTING ALL THAT HASSLE AND WORRY OUT OF THE WAY EARLY, THIS YEAR?
NOT REALLY
IT JUST GAVE ME MORE TIME TO WORRY ABOUT NEXT YEARS CROP

THE BIBLE SPEAKS

BY LAWRENCE W. ALTHOUSE

DOING IT MY WAY

December 12, 1982

Background Scripture: Luke 1:26-56.

Devotional Reading: Hebrews 3:1-6.

In the centuries that have marked the passage of time since the birth of Christ, Mary, the mother of Jesus, has been venerated primarily because of her purity. Yet, without downgrading that purity one bit, it seems to me that that which made Mary so unique was her willingness to permit the will of God to be made manifest in her life.

GREATLY TROUBLED

We know absolutely nothing of Mary's life before the visit of the angel Gabriel, but we may assume that she was not accustomed to being visited by angels or having ecstatic spiritual experiences. Thus, when Gabriel comes proclaiming, "Hail, O favored one, the Lord is with you!" Mary's response is one of anxious consternation and Luke tells us, "She was greatly troubled at the saying, and considered in her mind what sort of greeting this might be." Mary was not a puppet on God's string, but a real, live woman with a heart and mind that were not afraid to question what God was trying to say to her.

Nor was her faith so completely unquestioning so that she accepted Gabriel's greeting without fear and anxiety, for Gabriel said to her, "Do not be afraid, Mary, for you have found favor with God..." Just because Gabriel was an angel, a messenger of God, didn't mean that she was ready to embrace his proposal without hesitation.

When Gabriel went on to prophecy about her unborn son, Mary was still doubtfull and with courage asked, "How can this be, since I have no husband?" Once again Mary demonstrated that she had a mind of her own. If God was going to send a messenger to her, she reserved the right to question and challenge the messge.

"LET IT BE..."

What make Mary admirable to us is, not that she had no questions or objections to what God was proposing through Gabriel, but that ultimately she was able to move beyond those questions and objections and let God do what he wanted to do—His way. It made no sense to her that she would remain a virgin and yet bear a child. It made no sense whatsoever that God would will her child to be "Son of the Most High." Her way of doing this would have been quite different—as would yours and mine.

Yet, when it became evident that there was a stark conflict between her way and God's way and God's way, she was able to let God be God and say, "Behold, I am the handmaid of the Lord; let it be to me according to your word." She recognized who she was—God's "handmaid"—and she knew who he was—God, the Most High, the Lord. Although she still did not understand God's way, she made the supreme spiritual response when she was able to "Let it be to me according to your word." And what Mary did, we are called to do also.

NOW IS THE TIME

By Jay Irwin

Lancaster County Agriculture Agent
Phone 717-394-6851

To Excercise Breeding Animals

Many farm animals are kept in close quarters during the winter months. This is fine for animals being fattened for market, but may not be suitable for breeding animals. The flock of breeding ewes should have access to an excercise lot daily; there will be less trouble with paralysis in the ewe block and stronger lambs born if ewes are exercised daily.
excercised daily.

When the ground becomes frozen, or snow covered, some shepherds will feed hay on the ground out in the excerrcise lot in order to force the ewes to exercise. Dairy cows need outside excercise to maintain good feet and legs, and to provide opportunity for heat detection. Brood mares need the same daily excercise, if they are to remain in the best of health.

To Be Careful With Antibiotics

The use of drugs and other materials is a part of the livestock and poultry business and a part of health management; the use of these materials is not the problem...it's the misuse of them that causes trouble. All livestock, poultry and dairy producers are urged to follow the directions for use, and especially the withdrawal time.

The government agencies are on the alert for too high residues in meat, milk and eggs. Most antibiotics require a withdrawal period before marketing the product. If these are not followed, the product and the market may be in jeopardy. Also, accurate records should be kept of the material used, the amount and the exact time of treatment. Don't take chances.

To Practice Holiday Safety

This is not a new idea but one that bears repeating. With the holiday season approaching, there are many extra decorations and events that can present fire hazards. We urge every parent to discuss the need of safety measures that will prevent serious fires and possible human injury.

Too many people are careless with evergreen decorations and Christmas trees. Candles, fireplaces, and overloading of our electrical lines are all possible fire hazards when not carefully handled.

We urge everyone to make an effort to be careful with holiday decorations and, certainly don't take chances. If there is a possibility of a fire, then eliminate that item.

To Properly Store Firewood

We are more energy conscious than we've ever been - and this is certainly a good trend. Many homes are equipped with a fireplace or wood stove. This means the use of more firewood. Proper stroage is important.

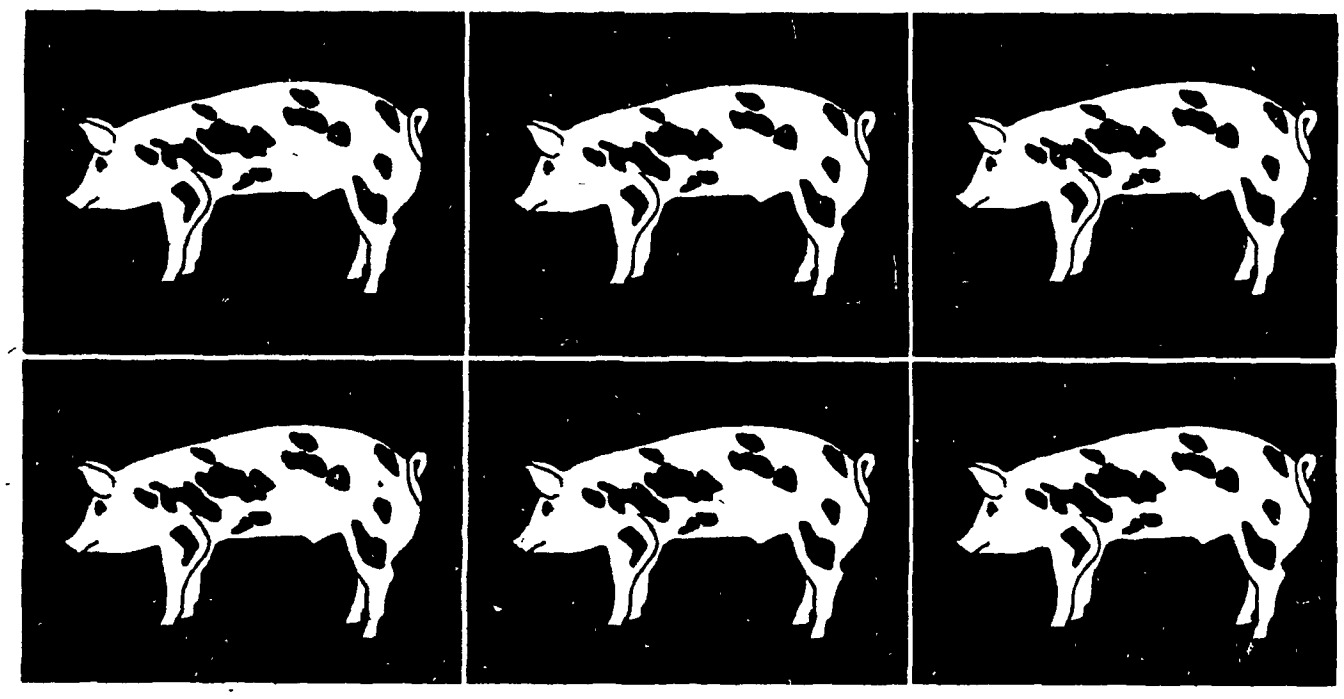
When storing your firewood, keep it outside since many insects may hibernate in the wood piles. If you keep it inside they'll think it's spring and wake-up to become a pest in your home.

If this happens, use an ant and roach aerosol for control. It's a lot easier just to keep the firewood in a cold garage or some outside shelter. The important thing is to keep it as dry as possible, even if it means covering it with a plastic tarp. Wet firewood takes a lot of heat just to dry it out.

Now there's a business-like way for **you** to handle the markets

guaranteed hog prices

with PACMA'S new Producers Forward Cash Contracting Marketing Program...



Get Guaranteed Price! **Get Guaranteed Marketing!** **Get Guaranteed Payment!**

If you know **Your Costs** for producing hogs, **Why** can't you know their market price **Now?** Ask your PACMA marketing partner for all the details.

Are hog prices coming down? Are corn prices going up? What is happening to protein prices? What about interest rates? When will these changes occur?

The Pennsylvania Farmers' Association (PFA) is now offering producers assistance in answering these and other marketing questions through **(1) FORWARD CONTRACTING, (2) CASH MARKETING** and a complete **MARKETING SERVICE.** PACMA, the Pennsylvania Agricultural Cooperative Marketing Association is the PFA affiliate that does the marketing job for the 23,000 farm families in PFA

1. PACMA's **FORWARD CONTRACTING** plan is not complicated. The producer simply calls PACMA, requests the current net price being offered in a future month, the producer agrees to sell the product to PACMA during that month PACMA is responsible to market the product at the agreed marketing month and PACMA writes the check at the agreed price

PACMA charges a very nominal flat fee for this service There are no margin calls, no brokerage fees, and no marketing costs beyond the producer delivering to his normal shipping point

For Example:

A producer calls PACMA to learn the price per pound that PACMA is now offering for 70 hogs he wants to market in February

PACMA by using the current up-to-the minute futures price from PACMA's quote machine and charts relating to costs and cash/futures relationships - quotes a price per cwt. for the February hogs

The producer knows his costs and desired profit level If the PACMA price meets his profit objective, he signs a contract with PACMA to deliver the 70 hogs to PACMA at a certain location (usually the same as he is now using) at the agreed price He pays a nominal fee with the contract and there are no other out-of-pocket costs to the producer

PACMA pays brokerage fees, initial margin, margin calls and marketing expenses from the producers point of delivery

PACMA writes a check for the hogs at the net contract price, providing the hogs meet the grade standard called for in the contract

PACMA guarantees the price, PACMA guarantees the market, PACMA guarantees the payment

2 PACMA's **CASH MARKETING** usually is done through the same processors who now receive slaughter hogs slaughter cattle and grain Existing meat packers, feed mills and other agribusiness firm are a vital part of a strong Pennsylvania agriculture

3. PACMA's newest innovation is a complete **MARKETING SERVICE.** Under this plan, you the producer can concentrate fully on efficient and effective production, PACMA, with the producers full knowledge and approval, guides your marketing by use of all marketing tools at the disposal of PACMA For example, by use of **FORWARD CONTRACTING,** PACMA is able to work with both buyer and seller - even neighboring farmers who buy and sell from each other To offer price protection to either party at one time of the year and to the other at a different price at a different time of the year

Do you know what prices you will receive for your hogs 6 months or 12 months from now?

With PACMA, you can!

Do you know if you will have a good cash market for your hogs?

With PACMA, you will!

Do you know if the check will be good?

With PACMA, it is!

THE NEXT FEW WEEKS MAY PROVIDE AN EXCELLENT OPPORTUNITY TO LOCK IN SOME VERY FAVORABLE HOG PRICES - CALL PACMA ABOUT FORWARD CONTRACTING!

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Association

The Pennsylvania Farmers Association

Howard Goss
Home: 717-737-2234

Livestock market and auction news

Morrison Cove Livestock

Martinsburg, Pa.
Monday, Dec. 6
Report supplied by auction

CATTLE 301: High Choice & Prime slaughter steers 57.10-59.25, Choice 54.50-56.75, Good 52.50-54.75, Standard 48.25-51.25, Utility 38.50-46.75. Choice slaughter heifers 54.50-56.25, Good 52.50-53.90, Standard 45.25-51.25, Utility 37.50-44.25. Utility & Commercial slaughter cows 40.50-42.75, Commercial 38.25-40.10, Cutters 36.50-38.75, Canner & Low Cutter 32.50-37.25, Shells down to 30.00. Good slaughter bullocks 45.50-51.50, Standard 42.50-45.25, Utility 36.50-42.50. Yield Grade #1 slaughter bulls 45.50-48.75; yield grade #2 40.25-44.75. Choice feeder steers 52.50-55.50, Good 50.50-51.50, Medium 45.50-48.50; Good feeder heifers 45.50-50.50, Medium 38.50-43.50; Good feeder bulls 40.50-45.50, Medium 38.50-42.50.

CALVES 351: Prime vealers 90.50-96.50, Choice 84.50-90.00, Good 72.50-80.50, Standard & Good 110-130 lbs. 60.50-71.50, 90-110 lbs. 50.50-53.50, 70-90 lbs. 42.50-47.50, Utility at 30.00. Farm calves, holstein bulls 90-130 lbs. 62.50-84.50; holstein heifers 90-130 lbs. 52.50-78.50.

HOGS 358: US No. 1-2 200-240 lbs. barrows & gilts 56.40-57.10, No. 1-3 200-250 lbs. 54.00-55.10, No. 2-3 200-270 lbs. 52.50-53.80, No. 2-3 250-350 lbs. 51.50-53.10. US No. 1-3 350-450 lbs. sows 46.25-50.25, No. 2-3 400-650 lbs. 44.50-47.25. Boars 41.25-42.50, Light weights 42.50-44.75.

FEEDER PIGS 92: US No. 1-3 20-40 lbs. feeder pigs 24.00-44.50 per head, No. 1-3 40-60 lbs. 44.50-50.60 per head.

SHEEP 13: Few Choice 90-110 lbs. wooled slaughter lambs 50.25-51.50, few Good 90-100 lbs. 48.50-50.25, few Utility 40-60 lbs. 42.50-45.25. Few Slaughter ewes 8.00-12.50.

Joliet Cattle

Thursday, Dec. 9
Report supplied by USDA

CATTLE: Friday through Wednesday's salable receipts 5,000; 5 days last week 4,317; same period a year ago 5,449. Trading slow on Monday; moderately active Wednesday. Slaughter Steers ended the week steady to .50 lower compared with Wednesday of last week. Slaughter Heifers ended the week .50-1.00 lower. Cows closed the week steady.

SLAUGHTER STEERS: Mixed High Choice and Prime 3-4 few 5 1200-1350 lbs. 57.00-59.50 Monday; 57.50-59.50 Wednesday; mostly 4 few 5 1150-1300 lb. 56.50-59.00 Monday; 56.50-57.50 Wednesday. Choice 2-4 1050-1300 lb. 56.50-59.00 Monday; 57.00-58.75 Wednesday. Mixed Good and Choice 2-3 1000-1300 lbs. 56.00-57.00.

SLAUGHTER HEIFERS: Mixed Choice and Prime 3-4 950-1200 lb. 56.50-57.00 load 57.25 Monday; 56.50 Wednesday. Choice 2-4 900-1100 lb. 55.00-56.50 Monday; 55.00-56.00 Wednesday. Mixed Good and Choice 2-3 800-1000 lbs. 51.00-54.50 Monday; 53.00-55.00 Wednesday.

COWS: Utility & Commercial 2-3 30.00-33.00. Boning Utility 1-2 32.00-34.00. Cutter 1-2 29.00-33.00. Canner & Low Cutter 1-2 25.00-29.00.

Penns Valley Livestock

Centre Hall, Pa.
Tuesday, Dec. 7
Report supplied by auction

Beef Cows: Utility and Commercial 37.10-39.25; Cutters 33.20-36.85; Canners 30.10-32.00; Shells 25.25.

Heifers: Good 48.25-51.50; Standard 43.10-47.50; Commerical 35.85-41.50.

Steers: Good 46.25-50.10; Standard 40.50-45.00.

Bulls: Good 45.00-48.35; Standard 41.50-43.85.

Feeder Cattle: 300-500 lbs. large frame 41.25-47.50; 300-500 lbs. small frame 28.50-34.20; 500-700 lbs. large frame 31.00-38.40; 500-700 lbs. small frame 30.50-36.25.

Veal Calves: Choice 69.25-78.00; Good 51.25-68.00; Standard 43.50-50.25; Utility 30.00-42.75.

Farm Calves: Bulls 65.25-78.50; Heifers 68.10-74.25.

Hogs: 52.50-56.25.

Sows: 45.00-46.50.

Boars: 43.00-44.00.

Shoats: 25-30 lbs. per head 12.00-24.00; 30-35 lbs. per head 23.00-35.00; 35-50 lbs. per head 40.50-44.50.

Lambs: 42.50-48.50.

Farm Calendar

(Continued from Page A10)

3:30 p.m., Penn State Schuylkill Campus Conference Center.

Western Pa.-Eastern Ohio session on milk prices, West Middlesex Sheraton Inn, I-80 and Rt. 18, 10 a.m. - 3. p.m.

Thursday, Dec. 16

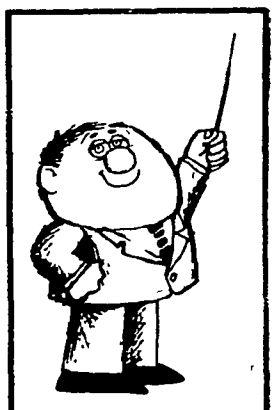
Mid-Atlantic No-Till Conference, Memorial Hall, York Fairgrounds, begins 8 a.m.

Snyder County Dairy Day, SUN Area Vo-Tech School and Washington Fire Hall, 10:15 a.m. - 3 p.m.

Red Rose Alliance meeting, 7:30 p.m., Liberty Fire Hall, New Holland, raffle and Yule program.

Friday, Dec. 17

New Castle-Kent Counties Crops Meeting, Clayton Fire Hall, Clayton, Del.



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ANDERSON FERTILIZER
December 1982 Trailer Truckload Price List

Analysis	Bag	Analysis	Bag
5-10-10*	123.00	19-19-19	193.50
5-10-30*	148.00	20-10-10	172.00
5-20-20	158.00	28-13-13*	206.00
6-18-36*	178.00	30-10-10*	201.50
6-24-24	173.50	30-0-20*	192.00
6-26-26*	183.00	0-26-26*	174.00
7-27-11*	173.00	0-26-26* W/B	187.00
8-32-16 DAP	188.50	0-18-36*	166.50
8-32-16* MAP	203.00	0-14-42	159.00
10-20-20	168.50	0-14-42* W/B	172.00
12-24-24	190.00		
10-30-10*	185.00	46-0-0	201.00
12-36-12*	207.50	0-46-0	191.50
10-10-10*	139.50	0-0-60	142.75
12-12-12	149.00	18-46-0	220.50
16-16-16	173.50	13-52-0*	235.50

* May require minimum order
Bulk Discount Available

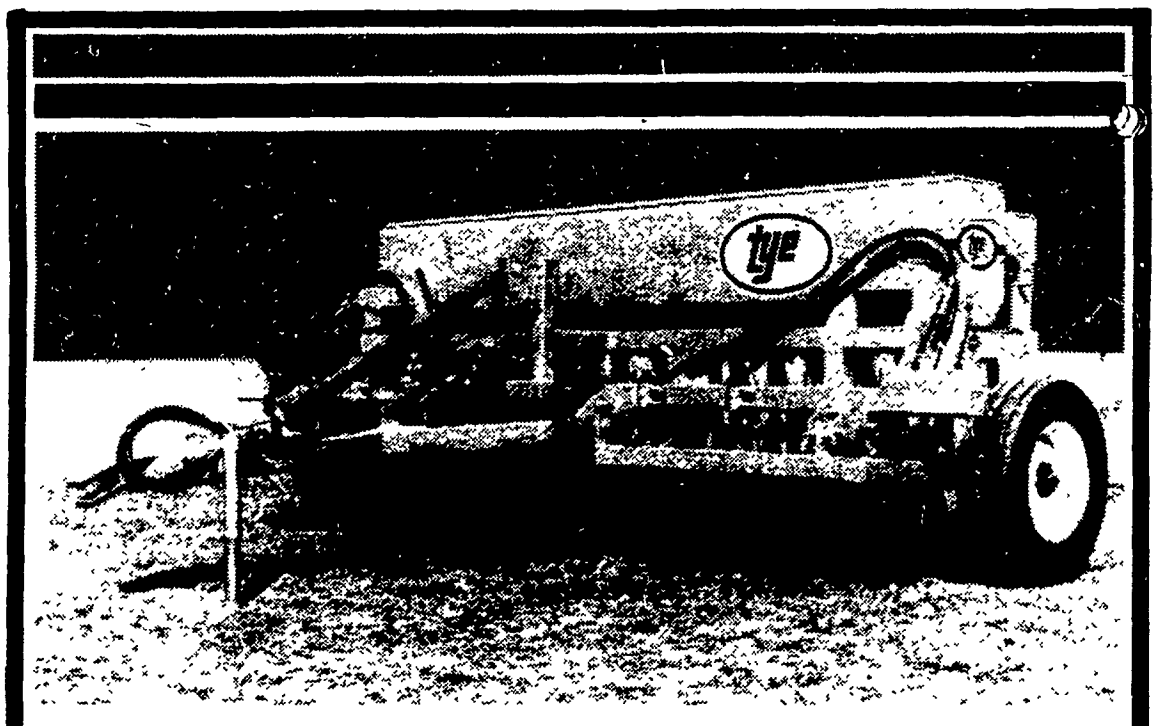
$18.97 per bale*
BALER TWINE
9,000 or 10,000 African Twine
* 50 bales or more

Note - Market conditions may cause prices to change without notice. The above prices will be honored through 12/18/82.

Delivery Rates, Field Seeds, Chemicals & Baler Twine Prices Available...
CALL TOLL FREE
No order too small if our trailer truck is coming your way.

Custom Mixing Service Available

FERTILIZER SALES
Star Rt. Box 51
Latrobe, PA 15650
CALL TOLL FREE
800-442-6822
412-539-2689
ask for Frank
(answering service late eves. & Sun.)



Tye's New 10 Foot Stubble Drill™

The convenient 120-inch planting width complements the Tye line, which includes the 80-inch Pasture Pleaser® and the 160-inch Stubble Drill™. Tye's end wheel, pull-type design allows small tractors to perform large planting jobs.

The new model is equipped with the same performance proven planting system that is standard on Tye Stubble Drill™ and Pasture Pleaser® models—**1.** Heavy-duty tapered roller bearing coulter assemblies **2.** Internally fluted seeders **3.** Front delivery double-disc openers and **4.** Press/depth control wheels

The new drill has fifteen openers with 8-inch row spacing and is driven by a center spring-loaded drive coulter, similar to the popular Tye Pasture Pleaser®. Options include: ★ Choice of coulter blades to match the jobs to be done, ★ Wide variety of press/depth control wheels, and ★ Legume attachment.

For a closer look—see your Tye Dealer.

Manufactured by The Tye Company, Lockney, Texas.

Sold Exclusively Through Dealers

For Your Nearest Dealer, Please Contact

HAMILTON EQUIPMENT, INC.
567 South Reading Road
Ephrata, PA 17522
Phone: 717-733-7951

Livestock market and auction news

St. Louis Cattle

St. Louis
Thursday, Dec. 9
Report supplied by USDA

CATTLE: Receipts this week 5,900; week ago. 6,800; year ago 7,000. Compared to the previous week, slaughter steers 1.50-2.00 lower. Slaughter heifers 1.00-1.50 lower. Cows weak to 1.00 lower. Bulls steady. Slaughter supply mainly Choice and mixed Good and Choice slaughter steers and heifers, and around 10% cows. Note: the supply of holstein steers substantially increased this week.

SLAUGHTER STEERS: mixed Choice and Prime 2-4 1050-1250 lbs. 57.00-57.50, couple loads early 58.00, not tested late. Choice 2-4 950-1275 lbs. 55.00-57.00, closing 55.00-56.50. mixed Good and Choice 2-4 900-1200 lbs. 53.50-56.00. Good 2-3 900-1150 lbs. 52.00-54.50. Package mixed Good and Choice 2-3 1320 lb. holsteins 50.50. Good 2-3 1075-1200 lbs. 49.00-49.50. Standard to Good 2-3 1025-1350 lbs. 45.00-48.50. Standard 2-3 1000-1200 lbs. 40.00-45.00.

SLAUGHTER HEIFERS: Mixed Choice and Prime 2-4 875-1075 lbs. 55.00-55.50, load 1000 lbs. 56.00 early, not tested late; 3-5 900-1025 lbs. 50.00-52.00. Choice 2-4 825-1050 lbs. 53.00-55.00, closing 53.00-54.50. Mixed Good and Choice 2-3 800-1000 lbs. 51.00-53.50. Good 2-3 750-975 lbs. 48.00-51.50.

COWS: (Closing week sales) Utility and Commercial 2-4 32.00-34.00. Boning Utility 1-2 34.00-36.00. Cutter 1-2 30.00-34.00. Canner and low Cutter 1-2 27.00-30.00.

BULLS: YG 1-2 1050-1900 lbs. 43.00-47.00. YG 1 1350-2000 lbs. 49.00-50.00.

WEDNESDAY'S WEEKLY SHEEP AUCTION: Receipts about 650 head. Compared last Wednesday, slaughter lambs 2.00-4.00 lower. Few feeder lambs steady. Supply mainly wooled and shorn slaughter lambs.

SLAUGHTER LAMBS: Choice and Prime 92-113 lb. Shorn with No. 1-2 pelts 44.00-47.00, mostly 45.50-46.50. Choice and Prime 92-118 lb. wooled 40.00-45.50, mostly 44.00-45.00.

FEEDER LAMBS: Part deck fancy 86 lbs. 47.50. Few Choice and fancy 85 lbs. 46.00.

FEEDERS: (Including around 2,300 at the regular Thursday auction). Feeder steers uneven, weights under 700 lbs. generally steady, instances 1.00-2.00 higher; weights over 700 lbs. weak to 2.00 lower. Feeder Heifers mostly steady. Supply mainly medium frame 1 and mixed 1-2 400-850 lb. steers and 350-650 lb. heifers. With an increased showing of 700-800 lb. heifers. Fairly good buyer attendance.

FEEDER STEERS: Medium Frame 1: 350-500 lbs. 60.25-66.25; 500-600 lbs. 60.00-63.00; 600-700 lbs. 59.50-62.25; lot thin 611 lbs. 63.50; 800-850 lbs. 55.25-56.00. Medium Frame 1-2 and some small frame 1: 300-525 lbs. 54.50-58.75.

LARGE FRAME 2 HOLSTEINS: Several lots 350-975 lbs. 44.00-48.50; lot 1100 lb. swiss 45.50.

FEEDER HEIFERS: Medium Frame 1: 350-650 lbs. 50.00-55.00, several lots 700-825 lbs. Some moderately fleshed 47.25-50.00. Medium Frame 1-2 and small frame 1: 300-600 lbs. 45.00-49.00.

STOCK COWS: Couple lots small and medium frame 2 middle-aged 765-863 lbs. 29.00-30.00.

Winter's Just Around The Corner — ACT NOW!

STANFIELD® HEAD PADS

For Farrowing Crates and Nursery Pens
Put your pigs on a blanket.

ONE OF THE BEST INVESTMENTS YOU CAN MAKE

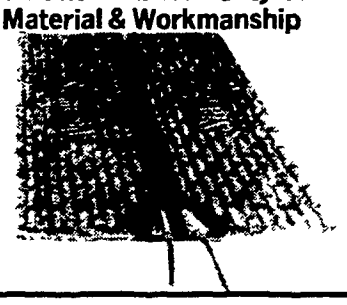
PROFITS increase with Stanfield® Heat pads. More healthy pigs get to market sooner. Cold sleeping floors and chilling are eliminated by uniform warmth for all pigs in the litter. Better rest means health and faster growth.

DURABILITY is proven by thousands of Stanfield® Heat Pads providing years of troublefree, reliable service. Used according to instructions, they will serve you for years.

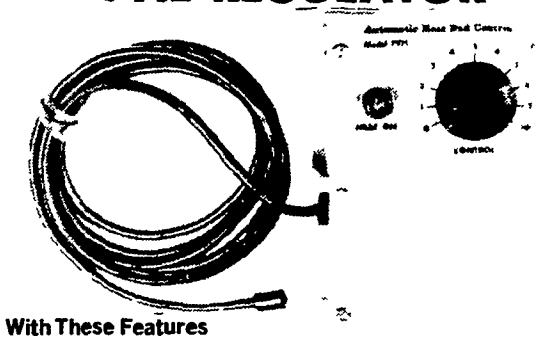
ECONOMY is easily seen. Stanfield® Heat Pads are inexpensive to operate. They also put the heat where it is most needed, between the pigs and the cold floor. And heating costs can be reduced by keeping the hog building cooler (60-70°F) without stressing young pigs.

EXPERIENCE counts and we've had years of experience producing high quality heating products. Before you invest, look for the name Stanfield® the leader in quality.

Full One Year Warranty On Material & Workmanship



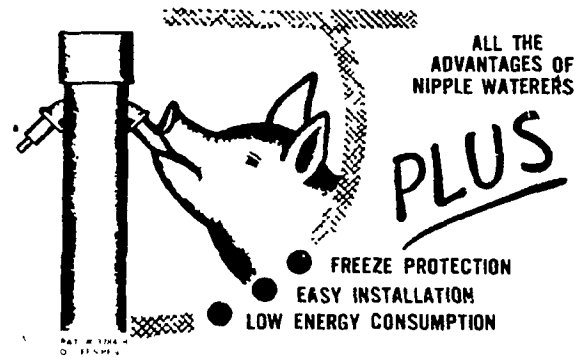
FBA AUTOMATIC HEATING PAD REGULATOR



With These Features

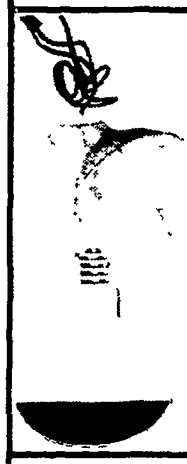
- Totally Automatic
- Reliable Solid-State Electronics
- Pilot Light to Signal Operation
- Fully Adjustable Temperature Selection
- 2,000 Watt Capacity
- Full One-Year Warranty
- The F915 Regulatory comes complete with installation instructions and can easily be added to your present system.

NOLAND FREEZE GUARD STOCK WATERER



UNITIZED CONSTRUCTION
WATER LINE, ELECTRIC CABLE AND HEATER ENCLOSED
GIVES NEAT INSTALLATION WITHOUT HAZARD OF EXPOSED RECEPTACLES AND POWER CORDS

BROODER & HEAT LAMP



Rubber style 6 ft. cable, 10½" reflector, porcelain socket, with guard, and clamp UL listed. Bulb not included **FBA 165 Heat Brooder**

ELECTRIC INFRARED HEAT LAMP

Use with electric brooder for brooding pigs. 250 watt or 125 watt 4 oz.

06858 250 Wt. Frost Brooder Lamp
05807 125 Wt. Frost Brooder Lamp
06868 250 Wt. Spatter-proof Brooder Lamp

SBM BROODERS

- Reduces pig *mortality*
- Easily adjusted.

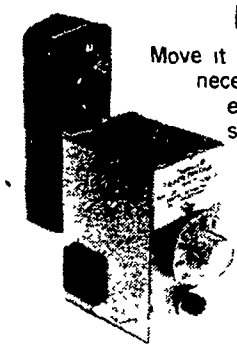
The Way To Greater Profits...Pigs Are Dry & Warm
Quick Start, Early Finish is the motto of this stainless steel constructed heater. Comes in many sizes to fit your needs.

THE WHITE HEATER MEETS YOUR HEATING NEEDS

- Lowest Price Tag
- Automatic Thermostat
- Simple Installation
- Design A.G.A. Certified
- Safe, Clean Heat
- Quite Comfort
- Low Maintenance
- Proven Reliability
- Pays For Itself
- Work In Comfort
- Engineered For Farm Use
- Ideal For Poultry And Livestock Barns

Also 20,000 & 40,000 BTU Heaters Available

FARMER BOY AG POWER CONTROL



Move it to where it is needed. No rewiring necessary. Simply plug the F911 into existing 110-120 volt outlet Set desired temperature for your particular conditions and note dial setting for future reference. The 911 will control up to 600 watts of heat pads. Just plug them into the two outlets on the 911

REGULATES temperature of Stanfield® Heat Pads

SAVES electricity and reduces power bills.

CONVENIENT, quick method of control.

FEATURES INCLUDE:

- All solid-state circuitry.
- Indicating pilot light.
- Positive ON-OFF switch.
- Two power control outlets.
- Manual set. Not thermostatic.

SWINE & POULTRY SYSTEMS SPECIALISTS

FARMER BOY AG. INC.

410 E. LINCOLN AVE. MYERSTOWN, PA. 17067 PH. 717-866-7565

BEST IN DESIGN, PRICE AND EXPERIENCE

Livestock market and auction news

Westminster Livestock Auction

Westminster, Md.
Tuesday, Dec. 7
Report supplied by auction

BUTCHER COWS: 50 cents lower on Standard & Utility. High Yield 40.00-43.50; Standard & Utility 36.00-39.50; Canners 34.00-37.50; Shelly 35.00 down. Slaughter Bulls- Medium Quaility 1200-1800 lb. 45.00-49.25. Fed Steers- Few Choice to 59.25, Good & Low Choice 51.00-56.00. Fed Heifers- Choice 800-900 lb. Herefords 52.00-55.00; Good 49.00-52.00; Commercial 49.00 Down.

BUTCHER HOGS: US #1 & 3 215-240 bl. 1 lot to 52.00. 240-260 ln. 52.50-53.75. Sows- 300-420 lb. 44.25-47.50. Boars- to 40.50.

VEAL CALVES: Few heavy calves offered. Low Choice few to 85.00; Standard & Good 55.00-75.00; Killers 80-100 lb. 44.00-49.00; Weak & Rough 44.00 down.

CALVES RETURNED TO FARM: Holstein Bulls 100-120 lb. 57.00-70.00, mainly 60.00-69.00; 90-100 lb. 50.00-60.00.

LAMBS: Good Demand! 60-90 lb. 47.00-57.00; Sheep 15.00-23.00.

STOCK CATTLE: Large Run! Steers- Choice 300-700 lb. 55.00-57.00; Good 50.00-55.00, few 700-900 lb. 56.00-59.00. Heifers- 300-700 lb. 38.00-47.00. Bulls- 300-700 lb. Good 52.00-54.00; Medium 45.00-50.00.

PIGS AND SHOATS: Active Bidding! 5.00-10.00 Higher! By the Head 15-30 lb. 25.00-41.00, 30-60 lb. 41.00-55.00.

Weekly Summary

Friday, Dec. 10
Report supplied by PDA

CATTLE 6358: Compared with 5546 head last week, and 5297 head a year ago. Compared with last week's market: Slaughter steers mostly steady to 1.00 lower; Sl. heifers steady to 1.00 lower; Sl. cows steady to 1.00 lower, spots 2.00 lower; Sl. bulls uneven. Sl. steers few High Choice & Prime No. 3-4 61.50-63.25; Choice No. 2-4, 57.00-61.85 Good 53.00-57.00; Standard 45.00-52.00. Sl. heifers: Choice 54.00-58.00; Good 49.00-55.00; Standard 45.00-48.50. Sl. cows: Utility & Commercial 36.75-42.75; Cutters 34.00-37.50, few to 39.50; Canner & L. Cutter 28.00-36.25; Shells down to 20.00. Sl. bullocks: few Good 49.00-52.00; few Standard 45.00-49.00 Sl. bulls: Yield Grade No. 1, 1100-2400 lbs. 45.00-52.25 few to 56.00; Grade No. 2, 900-1500 lbs. 42.00-51.00.

FEEDER CATTLE: Steers, Large Frame no. 1, 300-700 lbs. 55.00-62.50; Medium Frame No. 1, 300-700 lbs. 49.00-58.00. Heifers, Medium Frame No. 1, 300-800 lbs. 43.00-48.00; Large Frame No. 2 300-725 lbs. 36.50-45.50. Bulls, Medium Frame No. 1, 300-600 lbs. 41.50-55.00.

CALVES 4680: Compared with 4608 head last week and 4021 head a year ago. Vealers grading Good & Choice steady to 5.00 higher. Standard & Good steady to 5.00 lower spots 10.00 lower. few Prime 96.00-118.00; Choice 85.00-110.00; Good 65.00-85.00 few Standard & Good 110-130 lbs. 50.00-65.00; 90-115 lbs. 45.00-55.00; 60-85 lbs. 40.00-50.00; Utility 50-110 lbs. 30.00-40.00.

FARM CALVES: Hol. Bulls 80-125 lbs. 50.00-89.00, mostly 60.00-75.00; Hol. Heifers 85-145 lbs. 45.00-87.00, mostly 50.00-70.00.

HOGS 7648: Compared with 5193 head last week and 7509 head a year ago. Barrows and gilts mostly steady to 1.00 lower. US No. 1-2 200-245 lbs. 54.50-57.00 No. 1-3 200-250 lbs. 53.00-56.50; No. 2-3 200-275 lbs. 50.00-53.00; few No. 2-3 270-325 lbs. 45.00-50.00; few No. 1-3 140-190 lbs. 44.00-47.50; Sows .50-200 lower. US No. 1-3 300-600 lbs. 46.00-50.50; No. 2-3 300-750 lbs: 40.00-46.00. Boars 38.00-45.00.

FEEDER PIGS 1221: Compared with 576 head last week and 1418 a year ago. Feeder pigs steady to 10.00 higher. US No. 1-3 20-35 lbs. 20.00-38.00; 35-50 lbs. 35.00-48.00; 50-80 lbs. 46.00-61.00 per head.

SHEEP 1162: Compared with 495 head last week and 718 head a year ago. Wooled sl. lambs unevenly steady. Choice 65-125 lbs. 48.00-55.00, few to 60.00; Good 50-100 lbs. 40.00-50.00; Utility 30-60 lbs. 36.00-44.00. Sl. ewes 14.00-25.00, few down to 8.00.

3 GRADED FEED PIG SALES: 3130 Compared with 2150 head last week, and 3061 head a year ago. All sales by CWT. Feeder pigs mostly 6.00-10.00 lower. US No. 1-2 20-30 lbs. 144.00-158.00, 30-40 lbs. 125.00-140.00, 40-50 lbs. 111.00-139.00, 50-60 lbs. 102.00-117.00, 60-80 lbs. 70.00-98.00; US No. 2-3 25-40 lbs. 102.00-136.00. 40-60 lbs. 90.00-112.00, few to 134.00 per hundredweight.

Broiler numbers up

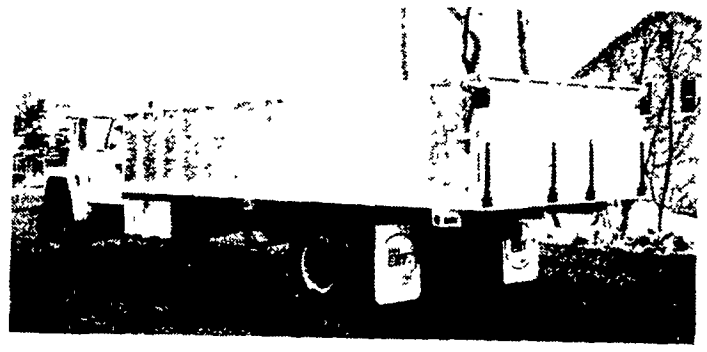
HARRISBURG — Placements of broiler chicks in the Commonwealth during the week ending Dec. 4, were 2,220,000, five percent below the previous week but two percent above the corresponding week a year earlier.

Average placements during the past nine weeks were two percent below a year ago. Settings for broiler chicks were 2,910,000, three percent below the previous week and four percent below the same period a year earlier. The current 3-week total of eggs set is 4 percent below the comparable period a year ago.

MH EBY INC.

Manufacturer of ALL ALUMINUM TRUCK BODIES

Livestock, Grain and Bulk Feed



Aluminum Grain Body

Distributor of TIMPTE Refrigerated Trailers

Sales & Service

Blue Ball, Pa. 717-354-4971

Coming . . .

M.M. WEAVER & SONS, INC.

Leola, PA

717-656-2321

ANNUAL YEAR END SALE & OPEN HOUSE

ON PARTS - NEW & USED EQUIPMENT

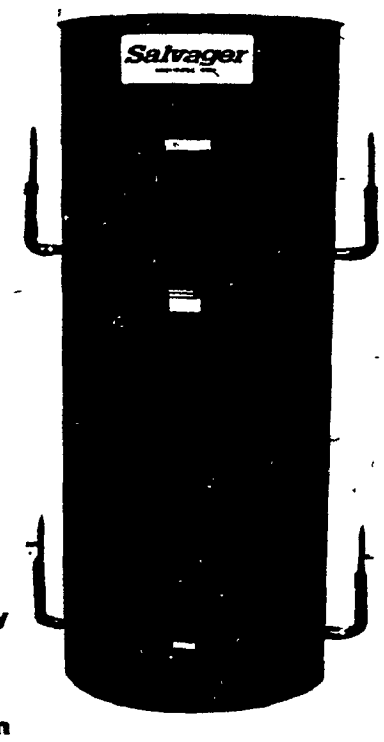
CHECK CLASSIFIED SECTION C FOR DETAILS IN NEXT WEEK'S ISSUE OF LANCASTER FARMING

Cut Milkhouse Hot Water Costs

Sale price good through December 31, 1982.

AGWAY SALVAGER™ HEAT RECLAIMING SYSTEM

- produces 120°-145° hot water by using otherwise wasted heat from your bulk tank refrigerant
- cuts purchased energy costs
- stores 80 or 119 gal. of hot water
- designed for use with existing air or water cooled compressors (47-2163)



$875 80 gallon (47-2164) only

$1255 119 gallon (47-2163) only

SPECIAL BONUS OFFER!

Agway Cold War™ Pipeline Cleanser

100 lb drum FREE with purchase of a Salvager. New concept in pipeline cleansers permits use of a starting temperature of only 120° F (as against 160° F).

Offer good through December 31, 1982

LF

Oxford 215/932-9361	Somerset 814/445-4184	Chapman 215/395-3381	Lebanon 717/273-2621
Blairsville 412/459-7830	New Milford 717/465-3139	Temple 215/929-5264	Carlisle 717/243-4312
Wysox 717/265-9131	Winfield 717/523-1204	Dublin 215/249-3556	Chambersburg 717/263-4197
Eighty Four 412/222-0600	Pleasant Gap 814/259-2722	York 717/792-2674	Lancaster 717/394-0541

AGWAY answers your needs

Livestock market

Chambersburg Livestock

Chambersburg, PA
Thurs., Nov. 9
Report supplied by PDA

CATTLE 459: Compared with last Thursday's market: Slaughter steers about steady; Sl. heifers 1.00-3.00 lower. Sl. steers few low Choice No. 2-4, 900-1180 lbs. 55.75-58.85, Good 53.00-56.00, couple to 57.00; Standard 47.00-52.35; few Utility 40.00-46.00. Sl. heifers: Choice 49.75-54.35; few Standard & Good 47.25-48.00. Sl. cows: Utility & Commercial 34.85-38.25, few to 40.75; Cutters 34.25-37.00; Canner & L. Cutter 31.50-34.25; Shells down to 25.00. Sl. bullocks: Couple Good 50.00 & 52.00. Sl. bulls: yield grade No. 1, 1100-1975 lbs. 44.25-50.00.

FEEDER CATTLE: Steers, few Medium Frame No. 1, 620-875 lbs. 49.00-56.35. Heifers, Medium Frame No. 1, 400-850 lbs. 42.50-48.00.

CALVES 558: Vealers about steady. One Prime at 115.00; Choice 80.00-104.00; Good 60.00-75.00. Standard & Good 70-105 lbs. 43.50-52.00; Utility 50-85 lbs. 25.00-45.00.

FARMS CALVES: Hol. Bulls 90-120 lbs. 50.00-75.00, mostly 60.00-70.00; Hol. Heifers 80-120 lbs. 52.00-68.00.

HOGS 43: few lots No. 1-3 220-250 lbs. 54.75-55.85; 630 lbs. 44.00-47.50.

FEEDER PIGS 38: few US No. 1-3 20-25 lbs. 19.00-27.00 per head; 40-50 lbs. 35.00-45.00 per head.

SHEEP 20: Wooled sl. lambs one lot Good & low Choice 75 lbs. at 47.50.

GOATS: 5 few 21.00-47.00 per head.

G&M Livestock

Monday, Dec. 6
Duncansville, Pa.
Report supplied by auction

Compared to two weeks ago: Steers steady, Cows steady, Hogs weak.

STEERS: High Choice and Prime 58.00-60.10; Good to Choice 52.00-58.00; Standard to Good 48.00-52.00; Utility 45.00-48.00.

HEIFERS: High Choice and Prime 58.00-62.85; Good to Choice 52.00-58.00; Standard 48.00-52.00; Utility 42.00-48.00.

FEEDER STEERS: Good to Choice 300-600 lbs. 50.00-58.00. Feeder Heifers 300-600 lbs. 38.00-48.00.

BULLS: 1100-2080 lbs. 50.00-58.75; 900-1100 lbs. 46.00-54.00.

COWS: High Choice to Prime 42.00-44.00; Good 38.00-42.00; Standard 34.00-38.00; Utility 32.00-34.00; Cutters 30.00-32.00; Canners Down to 28.00.

CALVES: High Choice none offered; Good to Choice 70.00-85.00; Standard to Good 50.00-70.00. Utilty Down 35.00. Farm Calves Hol. Bulls 90-120 lbs. 65.00-84.50. Farm Calves Hol. Heifers 90-120 lbs. 60.00-82.50.

FEEDER PIGS: 25-35 lbs. 25.00-35.00; 35-50 lbs. 35.00-50.00.

HOGS: 200-240 lbs. 54.00-58.10; 170-300 lbs. 52.00-55.00..

SOWS: 300-600 lbs. 48.00-55.75.

BOARS: 42.00-46.75.

LAMBS: 45.00-54.00.

SHEEP: 15.00-40.00.

MILK FED LAMBS: 60.00-70.00.

Indiana Livestock

Homer City, Pa.
Thurs., Dec. 9
Report supplied by PDA

CATTLE: 235 Compared with last Thursdays market: Sl. cows 2.00-2.50 lower. Sl. steers: few Choice 53.00-55.00; Good 50.00-53.50; Standard 45.00-51.00; few Utility 40.00-44.00. Sl. heifers: few Choice 52.00-53.00; Good 46.00-51.00; Standard 42.00-46.50; Utility 37.00-42.00. Sl. cows: Utility & Commercial 35.00-39.50, one at 41.00; Cutters 32.50-35.50; Canner & L. Cutter 28.00-33.00; Shells down to 19.00. Sl. bulls: Yield Grade No. 1, 1100-2000 lbs. 44.00-51.25; Yield Grade No. 2, 950-1500 lbs. 38.50-44.50.

FEEDER CATTLE: Steers, Medium Frame No. 2, 300-600 lbs. 40.00-46.00. Heifers, Frame No. 2 300-600 lbs. 33.00-43.00.

CALVES: 165 Vealers grading Standard & Good mostly steady. few Choice 90.00-98.50; Good 71.00-86.00; Standard & Good 90-120 lbs. 48.00-55.00; 60-85 lbs. 40.00-49.00: few Utility 70-100 lbs. 30.00-39.00.

FARM CALVES: Hol. Bulls 90-125 lbs. 60.00-80.00 few Hol. Heifers 85-110 lbs. 50.00-70.00.

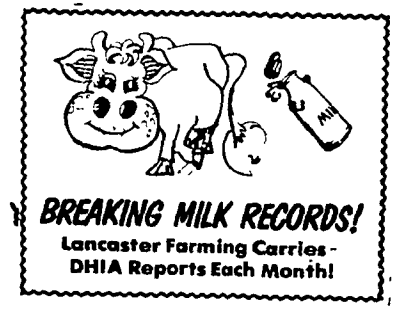
HOGS: 92 US 1-3 3.00 higher. US No. 1-2 200-250 lbs. 60.00-61.25 No. 1-3 200-240 lbs. 57.50-59.00; few No. 2-3 225-280 lbs. 55.50-56.25; 600 lbs. 46.00-48.00. Boars 40.50-48.00.

FEEDER PIGS: 20 US No. 1-3 20-35 lbs. 20.00-24.00; one lot 60 lbs. at 41.00 per head.

SHEEP 26: Choice 85-100 lbs. 52.00-54.50.

SL. SHEEP: 18.00-35.00.

GOATS: 16. 10.00-20.00 per head.



Lancaster Co. Weekly

(Continued from Page A2)

early part of week 39.50-42.25, Cutter 1-2 34.50-38.00, few early 38.00-39.50, Canner and low Cutter 32.00-36.00.

BULLOCKS: Choice 1050-1275 lbs. 57.00-60.25; Good 1000-1250 lbs. 53.00-56.00.

BULLS: Yield Grade 1 1300-2150 lbs. 49.50-55.00, few head early 55.00-56.50; Yield Grade 2 1000-1500 lbs. 45.00-51.00.

VEAL CALVES: Vealers closed 3.00-5.00 lower. Demand good for holstein bulls to return to farm.

VEALERS: Prime special fed 270-350 lbs. 110.00-118.00; Choice 150-225 lbs. 95.00-100.00, few 100.00-113.00; Choice 225-300 lbs. 86.00-100.00; high Good and low Choice 160-350 lbs. 60.00-85.00, 120-160 lbs. 50.00-65.00, 80-115 lbs. 40.00-52.00, 60-75 lbs. 35.00-42.00.

SLAUGHTER CALVES: Good and Choice 2-4 45.00-55.00, few Choice 55.00-60.00.

RETURN TO FARM: Bulk 95-120 lb. holstein heifers 65.00-72.00, few 90-100 lbs. 50.00-60.00; bulk 90-125 lb. holstein bulls 65.00-81.00, few 81.00-85.00, several 80-90 lbs. 50.00-65.00.

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Kling Ayr rises to top Adams DHIA

BY M. Eileen Graham

YORK SPRINGS — Charles and Martha Klinger received an ovation, Tuesday night, at the annual Adams County Dairy Herd Improvement Association Banquet when their Kling Ayr Farms, New Oxford R2, earned the High Herd award for milk and fat. The Klingers herd averaged 21,138 pounds of milk and 750 pounds of butterfat in the past year.

The Klingers were congratulated for "coming to the top like good cream," by Adams County Extension Agent Thomas E. Piper who said they had been working at it since 1952.

With the implementation of conservation practices, Klinger turned "the farm that nobody wanted" into a producing operation, Piper remarked.

The second and third High Herd awards went to Noel and Holmes, Hanover R.1, and Weim-Sharr Farms, New Oxford R2, respectively.

Weim-Sharr Farms also

(Turn to Page A17)

Tops among 63 Adams County herds were those owned by (left to right): Stanley Weimer, New Oxford R.2; Bud Holmes, Hanover R.1; Charles Klinger, New Oxford R.2; and Tom Weimer, New Oxford R.2. Klinger received the High Herd award, while Holmes got the Second High Herd trophy. The Weimers received the Third High Herd award as well as the First High Cow Butterfat and the High Cow Milk Production awards.

Coming to the top like good cream was Charles Klinger, owner of Kling Ayr Farms, New Oxford R.2, who received the Adams County DHIA High Herd award Tuesday night for having the top-producing herd of dairy cows in pounds of milk and butterfat.

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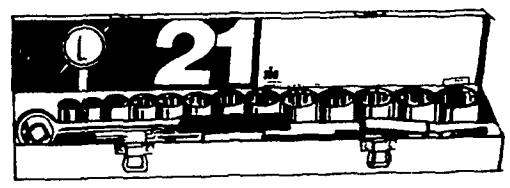

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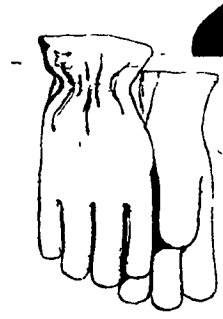

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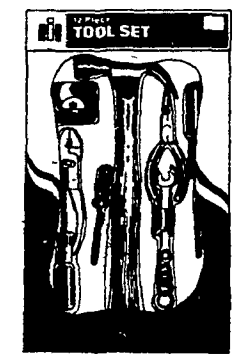

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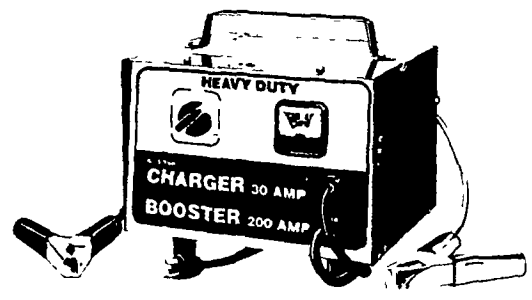

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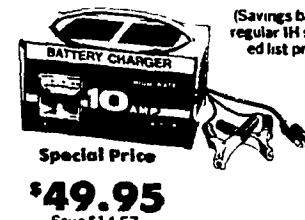

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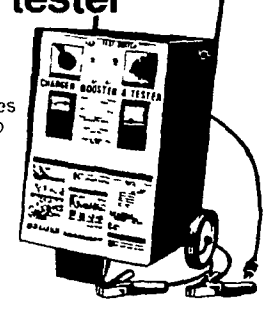

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Adams DHIA

(Continued from Page A16)

received the High Cow Butterfat Award with a record of 1,394 pounds of butterfat. Furthermore, six of the top 10 high cows in the butterfat category are owned by Weim-Sharr.

Weim-Sharr also received the High Cow Milk Production award for their Holstien cow which produced 30,853 pounds of milk.

An award for the herd having the greatest increase in butterfat production during the past year went to Penn Gate Farm, Littlestown R2, which recorded an increase of 95 pounds.

Stoner Brothers Dairy, East Berlin R2, received the High Lifetime Butterfat and High Lifetime Milk awards for their registered Holstein, Leslie, who has produced 221,084 pounds of milk and 8,727 pounds of butterfat.

"I compliment you on the good job you're doing," Piper told his audience, noting that this year Adams County averages in milk and butterfat are higher than state averages.

During voting held after the banquet, three new county DHIA directors were elected and include: Paul Guise, York Springs R2; Timothy Brown, Littlestown R3; and Gerald Stoner, East Berlin R2.

Ribbons were also presented to owners of cows producing 600 and 700 pounds of butterfat.

Larry Wilkinson presented the president's report, Ray Dutterer gave the secretary's report and Marcia Brown, the treasurer's report.

Brown later explained changes in testing fees, noting "Our goal was to try and find an easier and more equitable price schedule." No drastic fee changes have been made, she said, with the new rates based on the alternate program rate of 53 cents per cow to which will be added a $5 stop charge plus a $5 per hour charge for the second visit.

In the owner-sampler program, the basic fee will be 33 cents per cow with a $5 stop charge for the second trip. Local fees will be reduced to 12 cents per cow, with all rate changes going into effect on Jan. 1, 1983.

Tim Brown gave the state directors' report, while Robert Meyers stated the organization had a good standing in the auditor's report.

It was noted by supervisor Donald Messinger that Adams County DHIA is growing to the point where more than 200 people attended the Tuesday night program as compared to 70 in attendance seven years ago.

New Adams County DHIA directors are (left to right): Paul Guise, York Springs, R.2; Timothy Brown, Littlestown R.3; and Gerald Stoner, East Berlin R.2.

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OWNER	BREED	NO. COWS	LBS. MILK	FAT LBS.
Kling Ayr Farms	3	35 7	21,138	750
Noel & Holmes	3	59 9	19.649	746
Weim Sharr Farms	3	59 2	19,887	725
William Myers	B3	37 8	19,878	725
Brown Valley Farm	3	74 2	18,487	717
Stoner Bros. Dairy	G3	72 4	19,254	692
Roy A Weaner, Jr	3	55 3	17,913	690
Yelow-Buttercup Farm	3	119 1	17,316	683
El Rho Farm	3	55 8	17 904	681
Penn Gate Farm	3	49 0	18,120	672
Leroy Deputy	B3	132 5	17,031	652
Piney Lane Guernseys	2	58 2	13,446	649
Ray Dutterer	G3	62 9	16,376	647
Eugene Witter	B3	72 1	16,857	643
William C Mearns, Jr	B3	89 3	16,957	637
M J Starner & Sons	B3	115 6	15,942	633
Stone Manor Dairy	3	47 3	16,818	619
Claude Holmes, Jr	3	47 2	16,084	616
George I Lauchman	B8	35 0	16,813	612
Way Brite Farms	B3	136 3	16,074	611
Richard K Herr	B3	104 8	16,178	604
Buttonwood Farms	3	129 0	17,059	604
Getty Acres	B3	171 9	16,111	603
Adam F Lobaugh	3	44 5	16,520	601
Wayne H Rodgers	B3	83 6	15,877	598
Kraybill Miller	B3	46 2	15,811	593
Robel Acres	3	94 2	16,338	589
Grn Manor Guernseys	8	25 1	12,274	585
Donald Todt	B3	51 0	15,901	578
Oscar E Mehring	B3	35 1	15,215	577
John J Hess	B3	111 6	14,949	576
Knud A Hermansen	G3	95 3	16,287	576
Grove Bros	B3	77 3	16,180	575
Ber Crk	3	62 7	15,110	572
Lagging Stream Farm	B3	117 3	14,752	571
Zeppdale Farms	B3	113 3	15,112	563
Roger L Sprague	B3	54 6	14,919	563
Bowlder Valley	B3	59 7	15,146	555
Rinker Bros	G3	41 8	14,907	553
Kehr Acres	3	68 1	15,302	552
James E Miller	2	41 4	11,759	551
Robert & Linda Meyers	B3	77 1	15,129	548
Rhodes Enterprises	B3	98 1	14,411	548
Kevin S Holtzinger	B3	220 3	14,756	546
Pleasent Acres	B3	55 8	12,947	526
M R. & C S Durborow	B3	59 0	13,941	523
William Inskip	G3	68 3	13,813	521
Leroy Basehoar	B3	65 2	13,204	510
Frank Ludwig	B3	37 4	13,845	507
Pennstead Farm	3	40 1	13,525	501
Home Side Acres	B3	46 9	13,429	500
Richard Mills	G3	47 1	11,976	497
Guy Tanger	3	33 0	13,645	495
Shamrock Farm	B3	62 8	13,212	487
J. Howard Stiles	4	53 9	9,568	485
Robert L. Rohrbaugh	B3	66 4	14,525	482
Terrence P Murren	2	26 3	10,216	468
H & W Farms	B3	64 8	12,101	460
Glenn & Janet Lippy	B3	118.6	11,552	457
Robert C. Hoffman	B3	20.4	11,713	436
Bonnie-Bud Acres	4	34 1	9,239	433
James C. Behney	G3	53.4	11,277	410

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MILK MARKET NEWS

Federal Order 4
January milk at $15.34

Middle Atlant[ic] Order Market Administrator [Joseph] D. Shine recently announ[ced] a Class I milk price of $15.34 p[er] hundredweight for January 19[83]. This price is unchanged from the December price and is 4 cents higher than last January's Class I price.

Order No. 4 prices are announced for milk testing 3.5 percent butterfat f.o.b. plants located within 55 miles of Philadelphia, and also within 75 miles from the nearer of Washington, D.C. or Baltimore, Md. There is also a 6-cent direct-delivery differential applicable to producer milk received at plants located within 55 miles of Philadelphia.

Shine announced a Class II milk price of $12.64 per hundredweight for November 1982 and a butterfat differential of 17.0 cents for the month. The Class II milk price and the butterfat differential are unchanged from October.

These class prices are based on the November 1982 Minnesota-Wisconsin manufacturing milk price of $12.56 per hundredweight at a 3.5 percent butterfat content.

The USDA reported that the wholesale price of Grade A butter at Chicago for November was $1,4818 per pound and the nonfat dry milk price was $.9374 per pound, f.o.b. plants in the Chicago area.

Federal Order 2
50° Milk Check
Deduction Is Mandatory

Numerous questions from dairy farmers and handlers concerning the authority for the 50 cent Dairy Collection Plan recently drew comment from Market Administrator Thomas A. Wilson.

The Order No. 2 Administrator stated handlers do not need an individual producer authorization to deduct the 50 cents per hundredweight. The necessary authority is contained in Section 101 of the Omnibus Budget Reconciliation Act of 1982 and the regulations published in the November 30, 1982 Federal Register.

Wilson explained that the 50 cents, a deduction required by statute, has first priority on money due producers. Therefore, it supercedes all other producer requests or assignments and must be made whether or not there are sufficient funds to meet the producers' other obligations.

It was further explained that any handler failing to properly make and remit this mandatory deduction will incur a late payment charge, currently 17 percent per year, and also will be subject to civil penalties of $1,000 per violation. The program began December 1, 1982 as scheduled. The initial payments are due in January 1983 and should be mailed to: Commodity Credit Corporations, P.O. Box 2818, Glen Ellyn, Illinois 60137.

The dairy collection plan covers all producers marketing milk commercially. This includes producers who market their own milk to consumers, either directly or through retail or wholesale outlets. Such persons are required to remit 50 cents per hundredweight on all such marketings, whether in the form of milk or various milk products. Market Administrator offices and some state departments of agriculture will be responsible for the verification of the deductions.

Armacosts compete in dairy contest

ATLANTA, Ga. — Wayne and Pepper Armacost, Hickory Hill Farm, Upperco, Md. were recent contestants in the Young Dairymen Contest held at the Hilton Hotel here in conjunction with the 13th Annual Meeting of Dairymen, Inc.

Winners of the Middle-Atlantic Division Outstanding Young Dairymen Contest held in Hershey in late June, the Armacosts were among the 11 couples competiting for the title of Outstanding Young Dairymen in the cooperative composed of more than 8,000 dairy members in the mid-Atlantic and southern area of the United States.

The parents of two pre-school children, the Armacosts are involved in their church, DHIA and Farm Bureau Young Farmers. Along with two brothers and their wives, his mother and father, the couple is part of a family corporation milking 600 Registered Holsteins at their modern dairy operation in northwest Baltimore County.

The Armacosts also attended the National Milk Producers Federation Annual Meeting in Detroit, Mich.

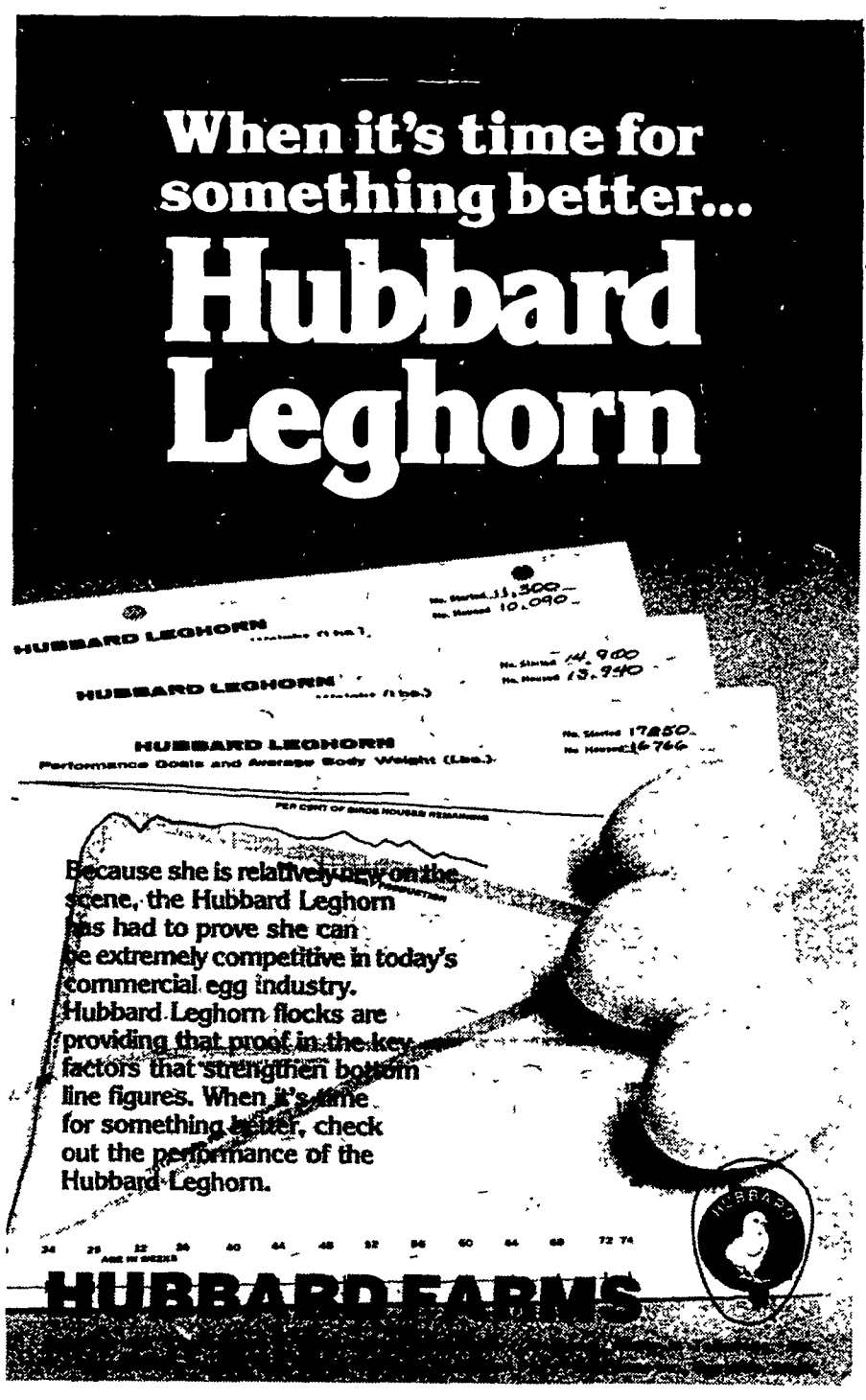
Flanking Wayne and Pepper Armacost, of Upperco, Md., are, left, Fred G. Butler, President, Middle-Atlantic Division, Dairymen, Inc.; and Ralph L. Strock, Manager, Middle-Atlantic Division.

Adams County beef producers to meet

GETTYSBURG — Stewart "Turk" Laidlow, Consumer Public Relations Representative for Moyer Packing, Sounderton, will tell area beef producers what type of animals Moyer likes to purchase and what works well for them as far as consumer beef demands in this area at the next meeting of the Adams County Beef Producers.

The meeting is set for Tuesday, at 7:30 p.m. at the Adams County Extension Office. There will be a question and answer period following Laidlow's presentation and interested persons are invited to attend.

Newly-elected officers and directors of the association are: President, Craig Peterson; Vice President, Ray Grimes; Treasurer, Frank Darcey, III; Secretary, Faith Peterson; Publicity, Becky Darce; Program, Paul Heffner and Director-at-Large, Frank Darcey, Jr.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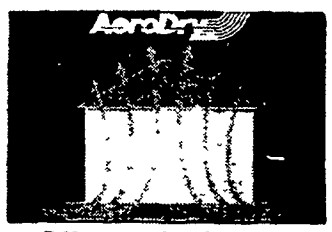

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**These data are derived from a review of over 900 comparisons from published university experiments. Only those comparisons using recommended label rates for soil texture and organic matter content on field corn were included. A grower's actual results may vary depending on use conditions.

LAS 2204

PRV - Where do we go from here?

BY DICK ANGLESTEIN

HARRISBURG — The state's cleanup campaign against pseudorabies in Pennsylvania is at the point now where some tough questions must be asked and some tougher answers must be attempted.

And that's exactly what's going to happen at a meeting called in Harrisburg for Wednesday night by the Bureau of Animal Industry of the Pennsylvania Department of Agriculture.

Attending the meeting will be PDA officials, representatives of livestock groups, such as the Pork Producers Council, Swine Breeders and Livestock Associations and legislative leaders.

"The session is planned as a frank and candid discussion of the pseudorabies situation," according to an Animal Industry representative.

The most basic of the questions to be answered:

Where do we go from here?

And before that can be answered, there's needed a summation of where the cleanup stands right now.

Continued progress in the cleanup efforts, which are centered in Lancaster County, are being reported.

In the past month or so, four more quarantines have been lifted from swine operations in Lancaster County.

As of Dec. 1, the pseudorabies report card shows:

–A total of 19 operations are still quarantined, including 16 in Lancaster County, one in Lebanon and two in Berks.

--Of the 19 quarantined operations, nine are solely feed lots, with seven being in Lancaster County.

–That means that 10 of the 19 quarantined operations involve breeding stock, with all but one being in Lancaster County.

–Nine of the 16 Lancaster operations are in the West Earl-Ephrata area. But three of the four quarantines recently lifted came from this area.

–Five of the 16 Lancaster County operations have been quarantined for the past 12 months.

These five operations, on which the problem has lingered for at least a year, is considered the crux of the current dilemma, which will be pondered on Wednesday night by state and industry personnel.

Among the questions that could come up:

Are we at the stage now where direct depopulation is the only way to complete the cleanup job that has been going on for more than two years.

–And if depopulation is the answer, how will it be financed?

–Should the industry help finance depopulation or should an attempt at state legislation be made?

But these questions can give rise to other questions:

If a depopulation plan is worked out and finances arranged, is this fair to hog producers who have gone ahead on their own at great personal expense to rid themselves of a disease that they didn't even cause?

–And if depopulation is carried out and Pennsylvania once again becomes pseudorabies free, what guarantees are there that it will stay that way?

Feeder pigs flow into Pennsylvania and particularly Lancaster County faster than tourists in July. With the absence of any federal effort at eliminating pseudorabies, what is the sense of spending possibly up to a million dollars to finish the present cleanup?

With two of the 10 breeding herds presently quarantined in the range of 150 to more than 200 sows, the bill for depopulation can run up pretty quickly.

And can pseudorabies ever be completely eliminated on a national level?

Do we know all of the carriers of the disease?

Are blood tests fool-proof?

And these are just some of the questions begging answers that are likely to come up at Wednesday's meeting.

Alliance to meet

NEW HOLLAND — The Red Rose Alliance, Inc. will hold a general meeting on Thursday at the Liberty Fire Hall, Rt. 23, New Holland, at 7:30 p.m. The raffle and Christmas program are on the agenda, along with refreshments for all. The public is urged to attend.

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USDA announces Feed Grain Program

COLLEGE PARK, Md. — The USDA has announced details of the 1983 Feed Grain Program except for the farmer reserve loan component.

Recognizing the current burdensome surpluses and looking ahead to a 3.33 billion bushel corn carryover next October 1, an all-out effort has been made to bring feed grains supplies more in line with demand. In announcing its 1983 Feed Grain Program provisions, the USDA went even further than required by law. Under the Budget Reconciliation Act, total acreage reduction was set at 15%, including a 5% paid diversion. The USDA program calls for a 20% total acreage reduction which includes a 10% paid diversion feature, according to Maryland's Extension Service at the University of Maryland.

Corn program benefits, designed to encourage farmer compliance through greater financial incentives, include eligibility for regular CCC loans ($2.65 nationally), deficiency payments, a land diversion payment and a 50% advance on both the diversion payment and the projected deficiency payment. No mention has been made of the farmer reserve loan program or/the farmer reserve loan price.

To be eligible for these benefits, producers must sign up with their local ASCS office by March 31, 1983, and agree to take 20% of a farm's corn-sorghum base out of production (or plant no more than 80% of that base). The 20% acreage reduction would be a combination of a 10% acreage reduction plus a 10% paid acreage diversion. The "paid acreage diversion" payment will be based on $1.50 per bushel times the farm corn yield base times the acreage diverted.

The "potential deficiency payment" (the 21-cent per bushel difference between the $2.65 CCC national loan rate and the $2.86 target price) presents another financial incentive for participation. If the U.S. average farm price during the first 5 months of the 1983 corn marketing year, (October through February), does not reach the $2.86 target price, complying producers will receive the difference between the U.S. average price and the $2.86 target. Currently, it is anticipated that the deficiency payment will be the full 21 cents per bushel (or, the U.S. average price is not expected to be above $2.65 per bushel).

The deficiency payment to the producer would be based on the payment rate times the participating farm's program yield times the acres planted. For example, if the deficiency payment was 21 cents per bushel, if the eligible farm's program yield was 90 bushels per acre and if 80 acres of corn was planted on that farm, the calculation would be: .21 X 90 X 80 = $1,512.00.

To qualify, producers must limit the 1983 corn acreage planted for harvest to no more than 80% of the farm's 1982 corn-sorghum acreage base adjusted for crop rotation.

Acreage equal to both the acreage reduction and paid diversion must be devoted to conservation uses. Land designated for conservation use must have been used for row crops or small grains in 2 of the last 3 years. Acreage devoted to a hay crop in 2 of the last 3 years may be eligible if an equal acreage of eligible cropland is seeded to a hay crop in the current year or the fall of the preceding year.

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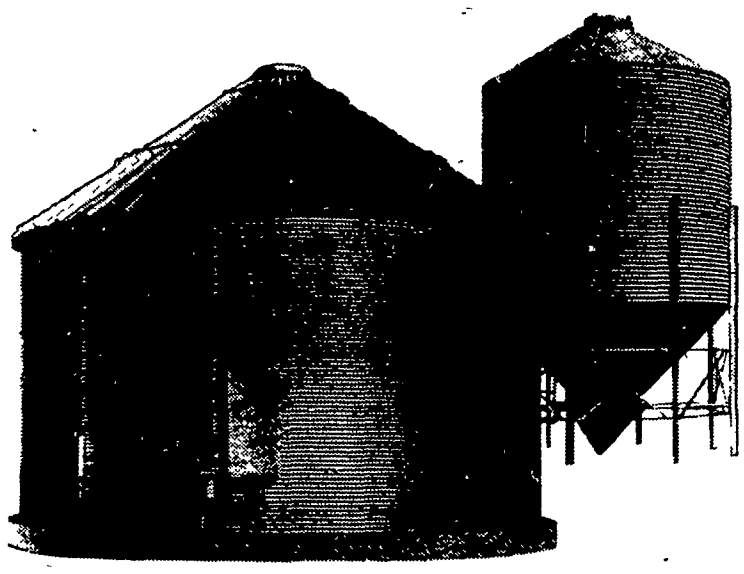

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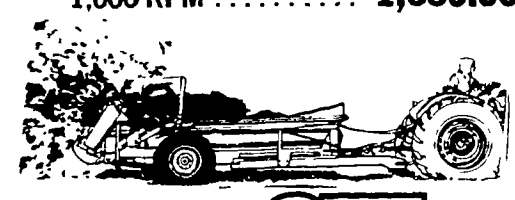

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Perry Co. pushes to top of state DHIA

NEW BLOOMFIELD — Perry County's dairy farmers, this year, milked their way to the top of the state's DHIA list, said Extension agent John P. Harris.

The county producers enrolled in the DHIA averaged 16,801 pounds of milk and 621 pounds of butterfat. This is an increase of 365 pounds of milk and 5 pounds of butterfat over the 1981 average. The increase places Perry County first among all counties in Pennsylvania for both milk and butterfat production.

Recognition was given to numerous dairymen at the Annual Perry County DHIA and Holstein Banquet on Tuesday, Dec. 7, at the Centre Presbyterian Church.

Ray McMillen & Sons, Loysville, had the high herd with an average of 22,275 pounds of milk and 818 pounds of butterfat.

Nine herds in the county averaged more than 700 pounds of butterfat. Ken and Jane Benner, Millerstown, averaged 19,762 pounds of milk and 762 pounds of butterfat; Milmay Farm, Loysville, 20,154 pounds of milk and 750 pounds of butterfat; Richard Maurer, Newport, 18,988 pounds milk and 750 pounds butterfat; Ben Dum, Elliottsburg, 20,520 pounds milk and 742 pounds butterfat; Alfred Albright, Landisburg, 19,742 pounds milk and 730 pounds butterfat; Max Reapsome, Loysville, 19,255 pounds milk and 719 pounds butterfat; Dean Loy and Son, Loysville, 19,131 pounds milk and 710 pounds butterfat; Frank Rice, Blain, 18,977 pounds milk and 703 pounds butterfat and Robert Gabel, Newport, 18,448 pounds milk and 702 pounds of butterfat.

The County Holstein Club recognized the high producing Holstein within four age divisions.

The highest producing Aged Cow for milk is Dumbelle Reflection Paclamar with 31,863 pounds milk and is owned by Tom and Shayne Dum of Landisburg. The highest producing Aged Cow for butterfat is Ray McOrmsby Rag Apple with 1113 pounds butterfat and is owned by Ray McMillen & Sons.

In the 4-year-old division, Ken and Jane Benner had both winning entries. For milk with 27,168 pounds was Santee Acres Snowboots and for butterfat was Santee Acres Kit Builder Sarah with 983 pounds of butterfat.

Ray McJet Pride, owned by Ray McMillen and Sons topped the 3-year-old division for milk production with 27,538 pounds. Santee Acres Elevation Vennie owned by Ken and Jane Benner won the 3-year-old butterfat division with 1019 pounds.

Both two year awards went to cows owned by Tom and Shayne Dum. Dumbelle Peachum Ingrid finished with 22,392 pounds of milk while Dumbelle Wallie Dawn had 834 pounds of butterfat.

Howard and Paul Barkley received a trophy for the largest increase of milk and butterfat from 1981 to 1982. Nancy Dum received a trophy for the highest milk producing 4-H Holstein. Irene Benner, Millerstown, received a trophy for the highest producing 4-H Holstein for butterfat.

Kim Kriebel, Perry County Dairy Princess, commented on milk promotion and the healthful

(Turn to Page A25)

Perry County's cream of the crop producers include from left to right: Ken Benner, Dave Roth, Jr., Ben Dum, Robert Gabel, Frank Rice, Ray McMillen - top herd for milk and fat, Jay Reapsome, Danny Rice, Robert Loy, Ralph Albright and Richard Maurer.

McMillen's Kingpin bowls 'em over

BY DONNA TOMMELLEO

LOYSVILLE — Perry County dairyman Ray McMillen recently spent a few moments to expand on his philosophy.

"I like to think of this herd as a breeding herd. We breed for calves not milk," he said.

Fortunately, no one told his 66 registered Holsteins, because in addition to their calves, the black and whites produced an average of 22,275 pounds of milk and 818 pounds of butterfat. Those figures were good enough to project McMillen and sons Larry and John to the top of the Perry County DHIA, this year.

Place on top of the wet average the fact that many of McMillen's cows do not reach the 305-day mark.

"We breed back some of these top cows in eleven months so they don't get to make their 305 days," he explained.

This year's county topping record highlighted the efforts of a few individuals, like McMillen's Elevation daughter RayMc Ormsby Rag Apple who led the county in butterfat with 1,229 pounds.

The high testing 10-year-old, like most of McMillen's animals can trace their maternal roots several generations back to a set of Irvington Pride Admiral twins. In fact, Ray reported that probably 90 percent of his herd was built on that foundation.

Each twin produced a daughter and eventually one of those daughters brought national fame to RayMc Farm about 12 years ago.

Webster defines a kingpin as the chief element of any system, which is the exact effect McMillen achieved when he bred a Pride Admiral daughter to Whirlhill Kingpin. The end result, RayMc Pride Whirlhill created a national buzz among sire analysts, when in 1970, she became one of the first Kingpin daughters to score Excellent.

Perry County agent John Harris, left, spends a few minutes discussing business with the county's top producer.

"There's some question as to whether she was the first because another went Excellent the same day," Ray explained.

Nevertheless, it was like the shot heard round the world.

"When she went Excellent all the A.I. studs in the nation knew about that cow the next day. We got bombarded by tours," he remembered.

That same year, the national Holstein convention was held in Boston and soon carloads began pouring in from the "Beantown."

Eventually, the Kingpin daughter achieved Gold Medal Status, becoming the first Kingpin to do so. Her Elevation daughter "Jade" set a county record for milk and fat in 1981 with records of 29,281 pounds of milk and 1,156 pounds of fat.

The high level of production has carried through to the third generation as Jade's daughter "Joey" has records to the tune of 27,365 pounds of milk and 1,008 pounds of fat.

Early next year, Joey's Jemini daughter, "Jon" will go to the highest bidder during the state Holstein annual convention in Erie. The 3-year-old Jemini scored 86 first time around.

The 17-year-old Kingpin 4E-92, although no longer milking in the McMillen herd, is housed in the Chester County embryo transplant facility Genetics Unlimited.

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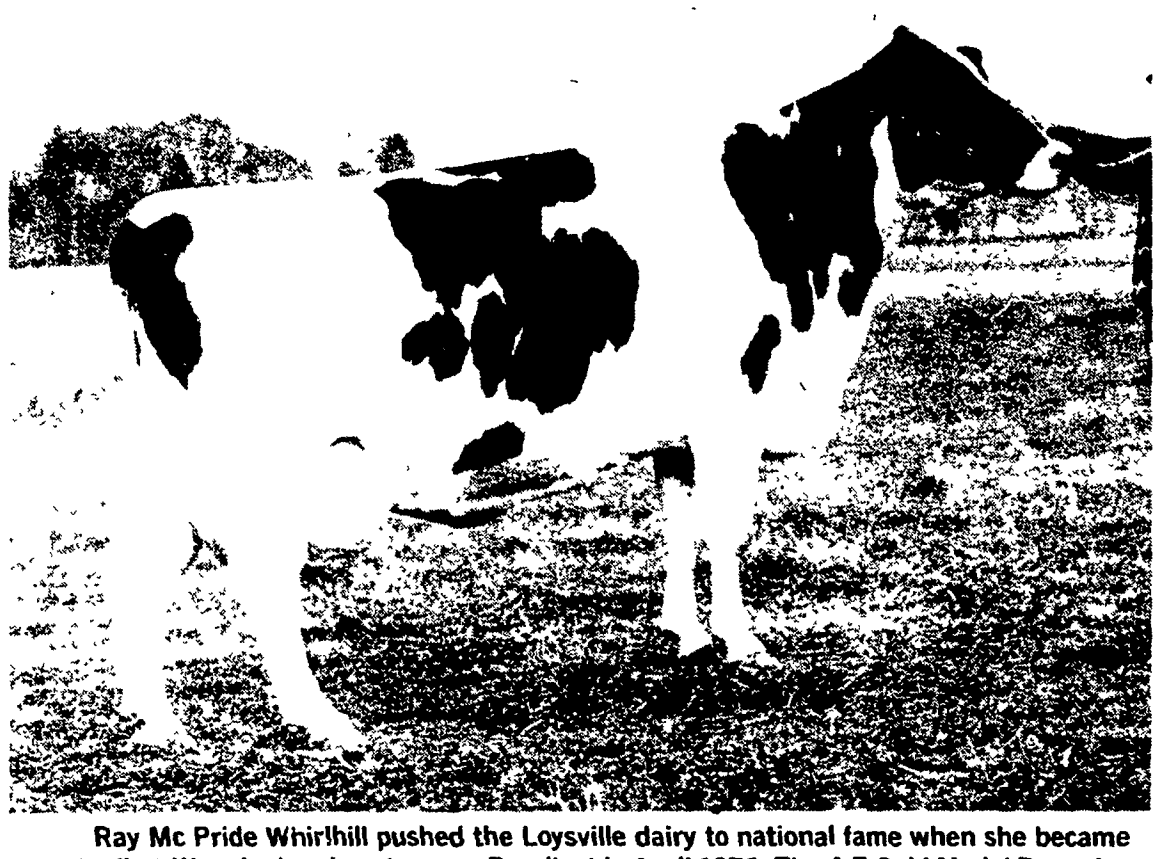
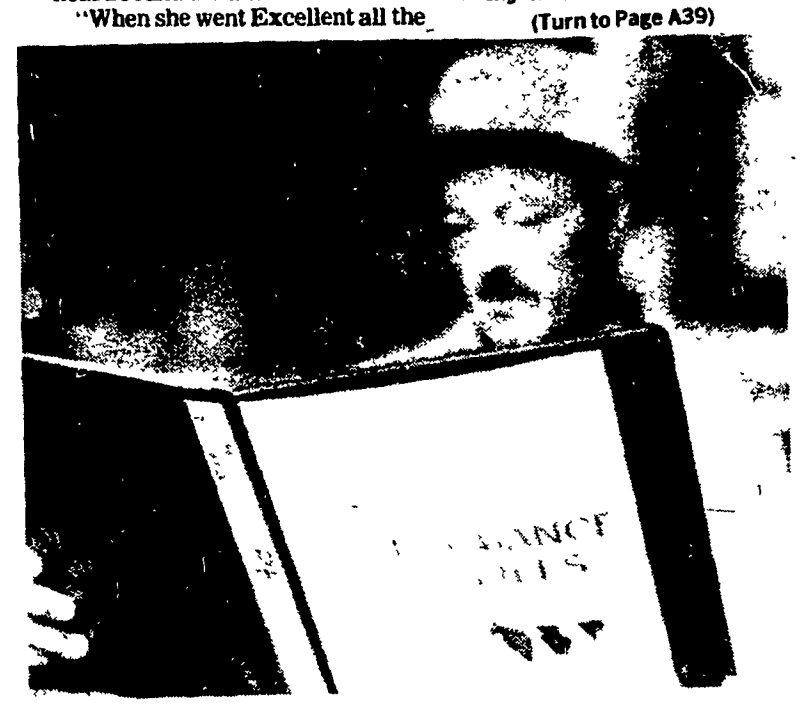


Ray Mc Pride Whirlhill pushed the Loysville dairy to national fame when she became the first Kingpin daughter to score Excellent in April 1970. The 4-E Gold Medal Dam also became the first Kingpin daughter to achieve GMD status. She no longer livest at McMillen's farm, but at age 17 is stabled at the embryo transplant facility Genetics Unlimited, West Grove, Chester County.



A student of pedigrees, McMillen admits, "we breed for calves not milk." Of his renown Kingpin daughter, Ray says the Gold Medal Dam was able to transmit type and production and now her decendents are doing the same.

Perry Co. DHIA

(Continued from Page A24)

aspects of milk and other dairy products.

The Perry County DHIA Herd averaged and Individual Production Records are under the direct supervision of the three Perry County Supervisors. They are Michael O'Tool, Blain; R. Walter Stydinger, Elliotsburg and David Shenk, Newport.

Ray E. McMillen	65.7	3	22,275	818
Kenneth R. Benner	62.9	3	19,762	762
Milmay Farm	54.2	3	20,154	750
Richard L. Maurer	48.2	B3	18,988	750
Benjamin E. Dum	47.3	3	20,520	742
Alfred Albright	94.6	B3	19,742	730
Max Reapsome	51.7	3	19,255	719
Dean Loy & Son	48.9	B3	19,131	710
Frank Rice	49.8	3	18,977	703
Robert & Bernice Gabel	39.9	3	18,448	702
Nevin G. Rice	85.3	B3	18,841	699
Earl E. Brubaker	56.4	B3	18,694	696
Wm. E. Martin & Sons	152.6	B3	18,509	696
Richard Kriebel	39.3	3	18,222	693
Richard G. Smith	53.8	3	18,647	691
Milligan Bros.	64.9	3	19,031	689
Dumbelle Farms	50.1	B3	18,584	689
R. Jack Crozier	49.6	B3	18,345	681
Carl E. McMillen	85.3	3	17,962	676
David H. Weller	46.2	B3	17,794	669
Edwin L. Sheibley	65.1	B3	18,690	668
Ed & Wilma McMillen	41.8	3	17,873	668
Donald Dum	34.8	3	17,472	668
Delmar Brofee & Sons	119.8	B3	18,065	664
Philip E. Brubaker	51.5	B3	17,794	663
Charles C. Byers	28.6	3	17,800	661
John E. Book	38.1	B3	17,480	655
Dean & Eric McMillen	40.5	B3	17,430	654
Fred & Nancy Neely	36.0	B3	17,326	653
Dobbs Brothers	27.8	8	17,468	644
Oscar & Winnie Campbell	48.6	B3	16,532	640
Clarence S. Martin	52.6	B3	18,231	632
John O'Toole & Sons	52.9	B3	16,712	630
Ray L. Kling	63.0	3	18,334	627
Harry R. Book, Jr	45.0	3	17,288	627
Bratton View Farm	73.4	3	16,895	625
Agrophilos, Inc.	60.2	B3	16,513	621
Roy E. Hall	15.2	3	17,059	617
Dale Smoker	75.1	B3	16,626	617
Mt. Home Farm	101.5	B3	16,256	615
James M. Palm	49.8	B3	16,597	614
J.W. & C. L. Achenbach	42.8	3	17,311	606
Perry M. Kretzing	92.0	B3	15,896	602
Arthur E. Dum, Jr	42.0	B3	16,554	601
M. W. Smith Farms	64.1	B3	16,628	599
Lyons Bros.	61.0	B3	16,092	595
Edward Horn	34.3	B3	15,877	585
Melvin S. Weaver	65.1	B3	16,165	583
James F. Bolze	66.3	B3	16,422	581

(Turn to Page A28)

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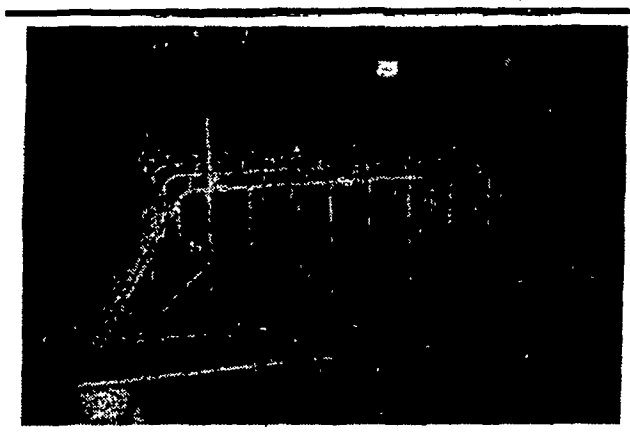

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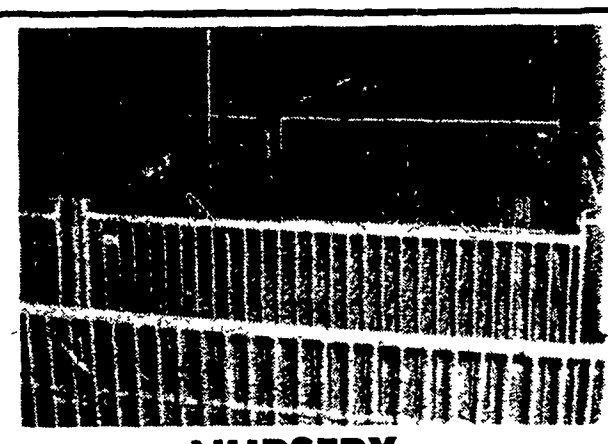

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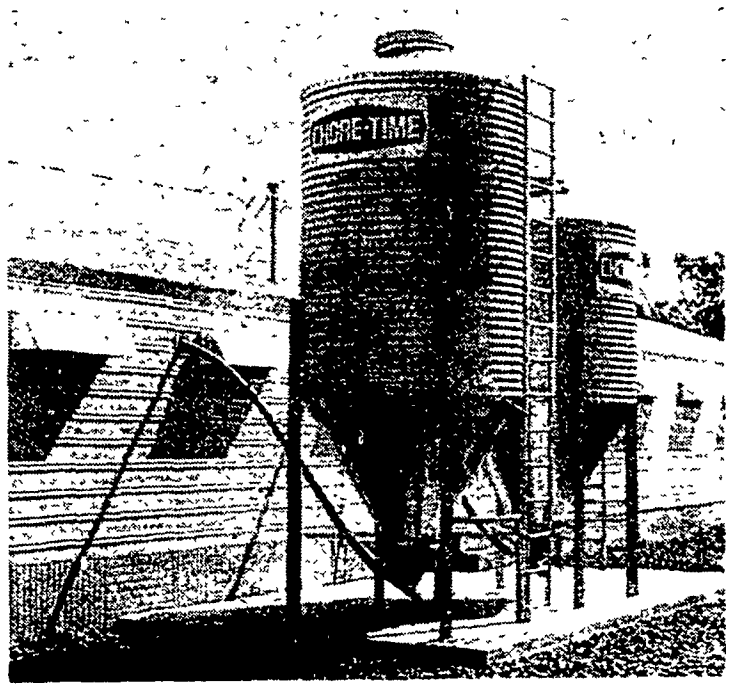

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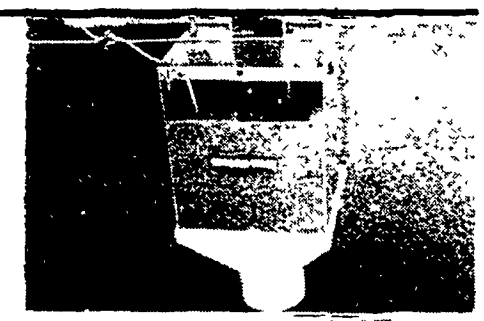

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Plushanski takes Berks DHIA honors

Glenn and George Seidel, left, receive honors for having the second highest herd for butterfat production; while Charles and Tim Kissling had the top herd for fat production in the Berks DHIA.

By Robin Phillips

ROBESONIA — Out of 223 herds with 13,268 cows on test, the Holstein operation of Charles Plushanski, Kutztown, was in the central spotlights at the Berks County D.H.I.A. Awards Banquet at the Conrad Weiser High School on Dec. 3.

Receiving the plaque for High Herd in Milk, the 108.7 Registered Holsteins of Plushanski finished the year with an average of 21,154 lbs. milk and 780 lbs. butterfat. Their milk, averaging 3.7% butterfat, also earned Plushanski recognition as 3rd High Herd for Butterfat with 780 lbs.

Also claiming the award for High Cow in Milk was Plushanski's "Ormsby" with a 4-11 record in 305 days of 30,064 lbs. milk and 1367 lbs. butterfat, while her herdmate,

(Turn to Page A27)

Among top Berks DHIA honorees were George S. Troutman Jr., left, high cow with lifetime milk and fat production; and Charles Plushanski, high herd for milk, high cow for milk and fat and third high herd for fat.

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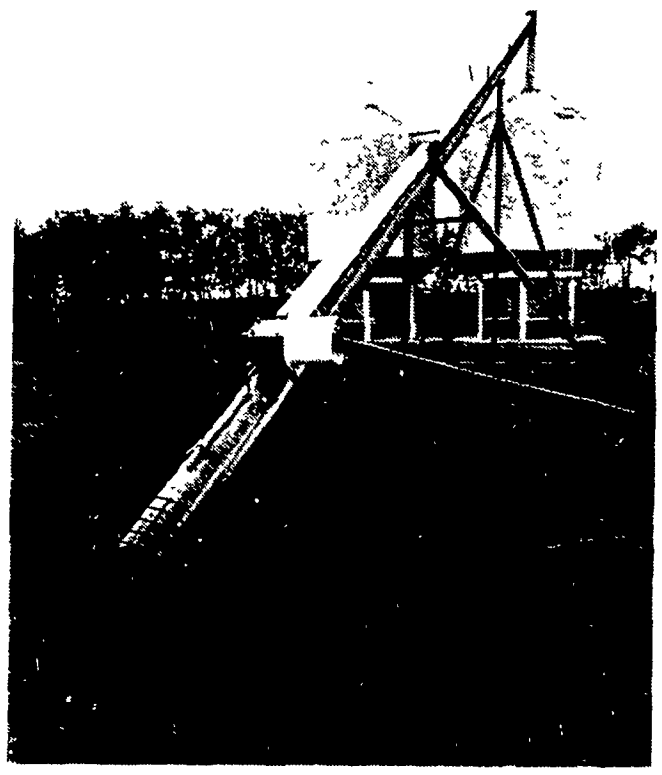

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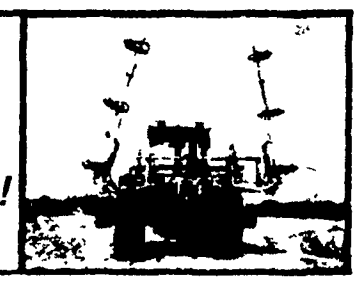

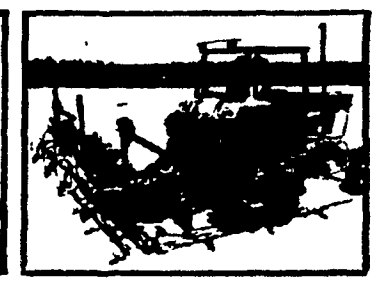

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Berks DHIA

(Continued from Page A26)

"Fancy," 3-04 yrs. in 305 days produced 29,247 lbs. milk and 1437 lbs. butterfat, earning her owner the award for High Cow for Butterfat.

An impressive total of 10 cows from this outstanding herd were listed among the top 25 producers of either milk or fat in the Association.

Receiving second place award for High Herd in Milk were the hard working, registered Holsteins of Stephen J. Janos, of R1 Mohrsville, Janos' 32.7 cows pumped out an average of 20,879 lbs. milk and 778 lbs. butterfat, also earning Janos recognition for being the fourth high herd for butterfat production in the county.

There was a total of five herds over 700 lbs. butterfat who received special recognition. The rich milk of the Registered Holsteins of Charles and Tim Kissling, R1 Robesonia, earned them first place in butterfat production with 823 lbs. fat in 20,870 lbs. milk. The Seidel's, Heindel Farms, Holstein producers with 800 lbs. fat in 20,221 lbs. milk earned them second place recognition. Plushanski's producers with 780 lbs. fat placed third; the bovines of Stephen Janos with 778 lbs. fat on 20,879 lbs. milk placed fourth; and the Mertz Brothers, R1 Kutztown, Registered and grade Holsteins, received fifth place with 723 lbs. fat and 19,751 lbs. milk for 1981-82.

"Gail", a grade Holstein, earned the honor of High Cow Lifetime Milk and Lifetime Fat for her owner, George S. Troutman, Jr. of R1 Myerstown. Born in September of 1967, "Gail" finished her lifetime credits with 253,240 lbs. milk and 8,369 lbs. fat. She was just recently culled due to old age.

Special recognition was given to Ken & Robin Wolfskill of Bernville for the lowest average Somatic Cell Count in 1981-82. Their herd of registered and grade Holsteins maintained the high average of 18,422 lbs. milk and 674 lbs. butterfat while averaging the county low somatic cell count of 128,833.

The Berks County Supervisors were also honored with Christmas bonus checks of $10 for every year of service. County superivsors are Robert Keppley, Newmanstown, 26 yrs. service; Donald Lutz, Mohrsville, 19 yrs. service; Raymond Yaggie, Lyon Station, 16 yrs. service; Linwood Ohlinger, Reading, 6 yrs. service; Ronald Kieffer, Hamburg, 5 yrs. service; Carol Hartman, Strausstown, 4 yrs. service; JoAnn Moser, Hamburg, 3 yrs. service; Rodney Reichard, Mohrsville, and TEd Kleinsmith, Kempton, 2 yrs. service.

Helen Seidel, Berks County Dairy Princess, reminded all farmers to take pride in their products and use only the "Real Thing."

She explained that the Real Seal, usually seen as the standard red and white emblem on packages, has now been adapted to stand out on any packaging and is being reproduced on cartons using any bold color to draw the attnetion of consumers to the genuine product.

She also added that gift shopping in the Christmas season can be made easy by giving healthy, nutritious gifts such as butter and cheeses.

On hand to report on the current operations at Pennsylvania D.H.I.A. headquarters was Philip Dukas, General Manager. With a slide presentation he gave a tour of the present facilities at State College. He also mentioned that the position of Lab Supervisor (Assistant Manager) will be added to the present staff to facilitate the processing of over 15,000 samples received a day, and up to 300,000 samples processed a month.

Listing the steps in processing the samples, Dukas added that they have been pleased with the average of one to two days that it takes them to receive the samples via UPS. A pet peeve of the staff though is the poor packaging of some samples by supervisors resulting in leakage, sour milk, and disorderly samples. He stated that if there is any doubt as to the quality of any sample that they receive, the samples are discarded.

Slides were also shown of the new machines used to test for butterfat and protein. To facilitate processing, there are no printouts or paper tapes, but all information is stored on computers and transmitted to the main computer center on the main campus. Barn sheets are stored for three months in case of any problems, and all reports are copied on tapes to

(Turn to Page A38)

Ken and Robin Wolfskill and daughter, Abby, were honored for having lowest average Somatic Cell Count.

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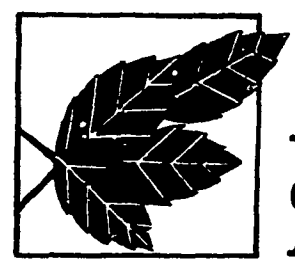

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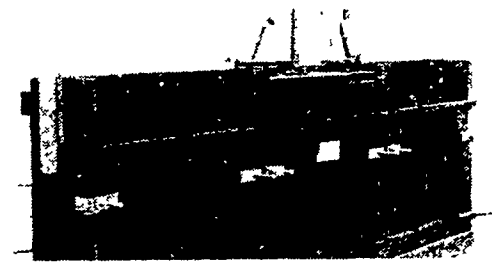

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(Continued from Page A25)

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Howard & Paul Barkley	48.1	B3	15,370	576
Duane L Hertzler	97.8	B3	15,884	571
Henry S. Lapp	39.2	B3	15,972	565
Earl E Krone	74.6	B3	14,922	556
Cedar Lane Farm	81.9	B3	14,541	556
Gary H. Haas	38 2	3	15,116	551
Leon M. Martin	69 6	B3	14,446	551
Kenneth C. Morrow	41 3	B3	14,973	549
John B Sauder, Jr	86 1	B3	15,389	547
Lester & Hazel Fleisher	36 4	B3	14,615	545
Wayne L Stephens	45.2	3	15,281	540
J Marvin Landis	58 2	B3	14,448	526
San-Rae Farms	47.8	B3	14,392	521
John R Gabel	104 4	B3	13,861	517
Samuel L McComsey	50 3	B3	14,286	506
Clark W Bower	75 9	B3	14,471	503
Graymeadow Farm	48 1	B3	13,636	494
Ronald C Fauth	54 8	B3	13,884	491
David Trout	51.8	B3	13,386	465
Leroy Heimbaugh	21 8	B3	12,668	464

Average soil loss

LANCASTER — Average soil loss on U.S. cropland is 9.1 tons per acre — some four tons above the recommended maximum loss range. One of the highest states for soil loss is Kentucky with 37 tons per acre.

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Mo. soil losses

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Chester Co. Holstein reaps top 'Harvest' bid

LANCASTER — A Chester County bred heifer walked off with a $9,700 price tag, Thursday, to top the annual Golden Harvest Holstein Sale held at the Guernsey Pavillion.

Dunwood-ND Cherry-ET collected the last bid from Idaho Holstein breeder Wallace Bingham of Dietrich.

Sired by S-W-D Valiant, the heifer was consigned by Alvin Stoltzfus of New Direction Holsteins, Oxford. She's out of Excellent Gold Medal Dam Mar-Elv Dividend Coco, who has one Excellent and two Very Good daughters to her credit.

The bred heifer writes a pedigree of four generations with more than 120,000 pounds of milk lifetime. In addition, the sale topper is due in January to one of the breed's most popular sires Leadfield Columbus-ET.

According to Peter DeBlock, co-owner and spokesman for Backus Associates, Inc., who managed the sale, both the Golden Harvest and 323rd Garden Spot sales grossed more than $200,000 on 120 head. DeBlock noted the first 40 head sold averaged $2,962.

Bidding stopped at $7,300 for Sawtooth Kingpin Tillie, consigned by Castle High Holsteins of Middletown, N.Y. Golden Dragon Syndicate also of Middleton, N.Y., claimed last bid on the 4-year-old Kingpin, who is out of a 3E 95-point No-Na-Me Fond daughter with records to 40,080 pounds of milk.

Mount Joy breeder J. Kenneth Brubaker paid $5,000 for a 5-month-old Sweet Haven Tradition daughter, consigned by Golden Genes Holsteins of Chino, Calif.

The young heifer, Golden Genes Trad Bethann is backed by three generations of Excellent through her maternal side. Her dam, Kret-Mar Matt Beck 2E-92 is a former All-Canada Dry Cow and fat champion with records to 29,270 pounds of milk and 1,290 pounds of butterfat.

Brubaker also took home a Very Good Glendell daughter, consigned by Legacy Holsteins of Warriors Mark. Marcove Glendell Laurie, who sold for $4,800, is out a Very Good Jeweholm Laddie Leader daughter with records to 22,570 pounds of milk and 826 pounds of fat.

A 3-year-old Elevation daughter traveled to Texas to the tune of $5,000. Marlu Elevation Violet was purchased by JFD Farms of Haslet, Tex. Consigned by Marlu Farms of Lincroft, N.J., the former All-New Jersey Futurity winner turned in a first lactation record of 18,431 pounds of milk and 739 of fat. She is due next month to Carlin-M Ivanhoe Bell. —DT

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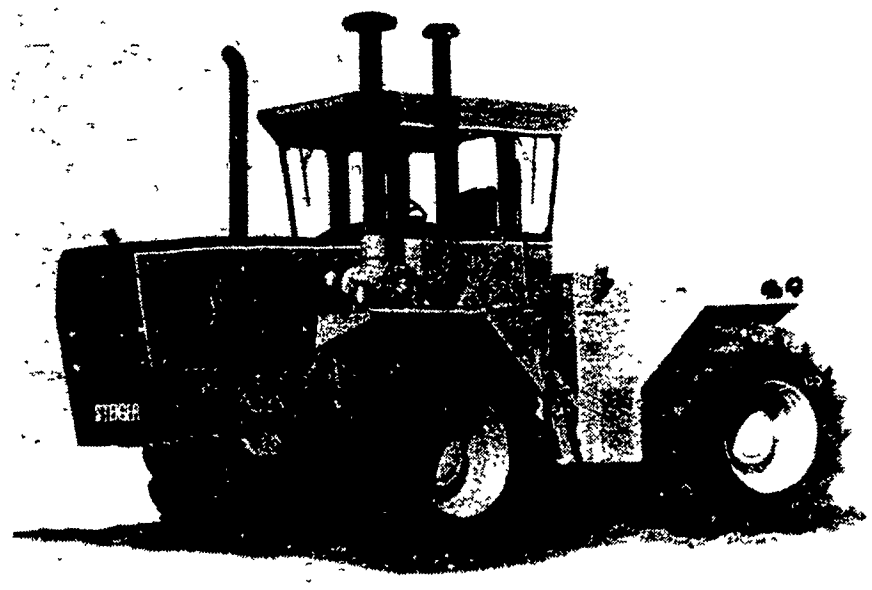

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U. of Md. seeks public comment

COLLEGE PARK — Central Maryland residents will have a chance next week to air opinions or ask questions about agricultural teaching, research and Extension programs at the University of Maryland. This opportunity will come Tuesday afternoon, Dec. 14, during a public meeting at the Carroll County Agriculture Center in Westminster.

The event is being sponsored by the university's agricultural advisory committee, according to Frank L. Bentz, Jr., vice-president for agricultural affairs and legislative relations. Members of the Maryland Agricultural Commission and the General Assembly, as well as the general public, are invited to attend.

Next week's meeting is the second in a series designed to solicit public opinion across the state on agricultural programs at the University of Maryland. The first hearing was held June 23 at Cambridge for residents and legislators on the Eastern Shore.

Tuesday's program will get under way with coffee an doughnuts at 10 a.m. and a tour of the new Carroll county Extension office at 10:30. A report on the county's Extension programs will begin at 11 o'clock.

At 1 p.m., Donald A. Hegwood, the new dean, will review instructional programs in the College of Agriculture. This will be followed by a report from Bentz and others on the Nov. 6 and 7 meeting in St. Louis, Mo., of the Council for Agricultural Research, Extension and Teaching. The council is affiliated with the National Association of State Universities and Land-Grant Colleges.

Questions and comments from the audience will be fielded by University of Maryland agricultural administrators, beginning about 2:15 p.m.

The Carroll County Agriculture Center is located on the county fairground at the end of Smith street, off highway 32, Sykesville Road, southwest of downtown Westminster.

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Summary of 1979-81 State Performance Tests
Comparing Asgrow RX777 to Competitive Hybrids

Brand Name of Other Hybrids	Number of Other Hybrids*	Number of Comparisons		Average B/A Yield Advantage of RX777
		Total	RX777 Yielded More % of Time	
Cargill	7	414	64 7	5 5
DeKalb	19	538	69 3	7 8
Funk s	15	395	66 3	6 8
PAG	8	453	68 4	8 9
Pioneer	8	248	67 7	8 6

*All hybrids had to be in test in 1981 be within 2% of RX 777 s average moisture and compared in a minimum of five tests Comparisons for all hybrids of each brand are shown

Special Note Asgrow suggests that growers review State Test Bulletins for complete test results

A3127 SOYBEAN

State Performance Tests — 1980-81

Variety	No. Tests	Average Yield B/A	A3127 Advantage B A
A3127	21	50 5	5 8
Williams	21	44 7	—
A3127	23	51 0	4 6
Pella	23	46 4	—

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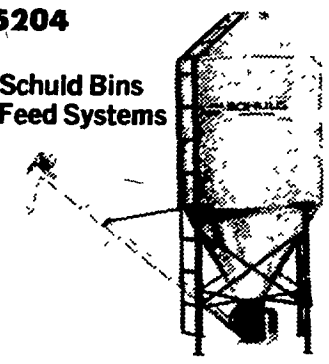

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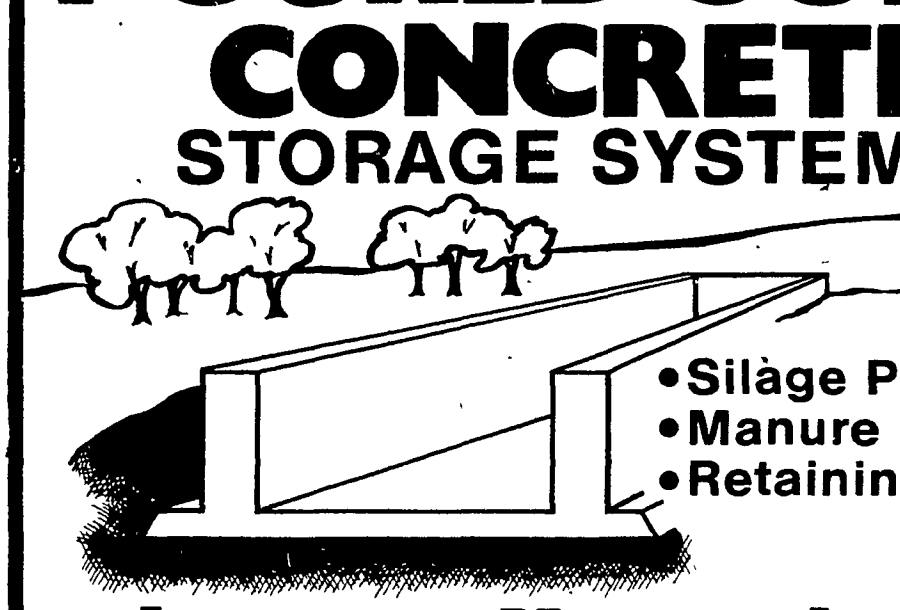

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Scientists seek fly solution

UNIVERSITY PARK — Drawing biological profiles of black fly species could ultimately save millions of dollars, Penn State researchers said Wednesday.

"It's crucial that we understand the way black flies live if we are going to control them," said Ke Chung Kim, professor of entomology.

Kim and graduate student Peter Adler were among speakers at this week's five-day national meeting of the Entomological Society of America in Toronto.

They described a three-year study of 12 streams in Pennsylvania in which they have charted the habits of a black fly group called Simulium vittatum. Black flies are also known as gnats.

In particular, the scientists observed the two "siblings" belonging to the Simulium vittatum group: IIIL-1 and IS-7. Siblings — species that look almost identical but differ genetically — had never before been profiled.

Kim and Adler found that the IS-7 lives in clean water only. The IIIL-1 was found to live in polluted water below lake outlets and sewage outflows, and in the downstream reaches of streams where there was input from sediment and farm fertilizers.

The scientists also found that the number of siblings at a given site could be predicted from the yearly maximum water temperature and the water's percentage of oxygen.

"This tells us where and when to control the pests," Adler said. "Knowing that, we could take action quickly, economically and with little disturbance to the environment."

The researchers also reported that other organisms serve as indicators of the presence of the two siblings.

The key to understanding black flies' habitats and behaviors, Adler said, is knowing the identity of each species. Scientists can identify most species, including siblings, but there is no information on the way siblings live.

That's because scientists have become aware of black fly siblings only in the past 15 to 20 years, according to Mr. Adler. He estimates that half of all black fly species are siblings.

"Our study can serve as a model for other researchers to follow," he said. "Recording the biologies of all siblings would take considerable time and effort, but there's no question that it would be worth it."

There are about 3,000 species of black flies, and each is different. Some bite people and some don't.

Mason-Dixon group seeks funding

(Continued from Page A1)

Within a day's drive of the Mason-Dixon region lies 37 percent of the nation's population.

Pennsylvania counties included are Franklin, Cumberland, Adams, York, Dauphin, Lancaster, Lebanon, Berks, Chester, Montgomery, Lehigh, Northampton, Bucks and Delaware. On the Maryland side of the Mason-Dixon proposal area are Washington, Frederick, Carroll, Baltimore, Harford, Cecil, Howard and Montgomery counties.

Under recent budget overhauling in USDA's Soil Conservation Service, conservation funds were sliced. Cuts are thus anticipated to individual districts for both technical personnel and cost sharing monies.

Instead, funds allocated for conservation measures will largely be funnelled into "target areas," or sections where erosion problems are deemed the most critical. Of the various proposed "target areas" only one other than Mason-Dixon is in the East, the potato-growing center of Aroostook County, Maine.

If the Mason-Dixon proposal is accepted as a target conservation area, funding could provide as high as 34 new technical personnel, and some $8 million in cost-sharing monies for such erosion control practices as terracing, contouring, and sod waterways.

In a visit to Pennsylvania last week, as reported in the December 4 issue of LANCASTER FARMING Soil Conservation Service administrator Peter Myers indicated the Mason-Dixon area was likely in line for some additional funding for 1984.

Final decision on naming the target areas could come from Washington within weeks, according to David Ball, district manager of the Dauphin County Conservation District and chairman of the Mason-Dixon strategy meeting. Ball urged farmers, their organizations, conservation directors and staffers to join a letter-writing campaign to congressional representatives and USDA and soil conservation heads.

Districts were also asked to conduct surveys within their own counties for back-up statistics on local conservation needs. A Dec. 6 Washington meeting and congressional visit is planned, with conservation leaders hoping for a USDA meeting with Secretary of Agriculture John Block.

According to Ball, an estimated three out of five landowners not currently obtaining conservation assistance would take it if the help was available.

"But, we must tie cost sharing of funds with technical assistance," he emphasized. Acknowledging that farming would still continue if soils eroded, Ball stressed however that costs. would "go way up" for such crop imputs as fertilizer and pest control.

George Wolff, chairman of the soils committee for the Pennsylvania Association of Conservation District Directors, agreed that farmers are worried about erosion problems, but that "dollars are the bottom line."

Wolf also touched on a problem later detailed by other speakers at the strategy session, the reluctance of land renters to practice erosion control techniques, such as leaving grass waterways or strip cropping.

Conservation statistics cited later, based on Dauphin County, showed a 9.6 ton of topsoil loss annually on short-term rented ground, as compared to a 6.9 ton-per-acre erosion loss on owned cropland.

Short-term acres are most often cropped to such grains as corn and soybeans, row plantings which are more erosion-prone. No-till and min-till cropping methods, both planting techniques encouraged by conservationists, can considerably cut erosion on corn and bean ground.

Representing the Pennsylvania Department of Environmental Resources, was soil and water conservation specialist Vic Frank, who outlined recent DER Project 208 studies on ten high-priority stream watersheds. All but one of these drainage basins was in the southeastern corner of Pennsylvania, roughly correlating to the same area of the Commonwealth included in the Mason-Dixon erosion control proposal.

Almost half the 2500 farms surveyed in the Project 208 study showed considerable soil losses, and over one-third of those problem farms were cropped in short-term rentals.

Frank also noted that manure runoff, due to concentrated livestock and poultry operations, improper manuring of fields, and livestock access to streams were seen by DER as contributing to water quality problems.

Fitting hand-in-hand with the Mason-Dixon Erosion Control Area target proposal is a recently completed environmental study on the Chesapeake Bay. Conservationists attending the strategy meeting were briefed on the study, by Fran Flanigan, director of the Citizens Program for the Chesapeake Bay.

Changes in the 200-square mile bay fresh and salt water species balance triggered federal funding of a research study in 1976. Scientists had speculated that agricultural herbicides, specifically Atrazine used heavily on corn plantings, were killing bay grasses, a basic building block of the bay's intricate food chain.

Instead, they found that sedimentation was causing murkiness and decreased light in bay backwaters. And, increased nutrient, from fertilizers and manures running off erosion-prone land, was feeding the phytoplankton, of algae growth which cut down on oxygen supplies in the waters. Increasing amounts of toxic, heavy metal contaminants from industrial plants and sewage discharges caused additional problems, found in some spots as high as 200 times the acceptable level.

Watershed for the entire bay encompasses approximately 64,000 square miles. Of that, the largest segment is the drainage basin for the Susquehanna River, including some 27,000 square miles.

Both nitrogen and phosphorus cause Bay problems, and in wet years, nitrogen levels coming from the Susquehanna area climb with runoff flows. The 1973, disastrous flood precipitated by Hurricane Agnes, caused a "precipitious decline" in rooted plants once abundant across the Bay.

Conservationists estimate that, with the use of low-tillage plantings alone, an estimated eight percent less nitrogen would flow from the Susquehanna into the Bay.

Second high contributor of nitrogen to the Bay was the Potomac River, which drains much of the upper portion of Maryland, the James River flowing through an area with numerous sewage treatment sites was highest in phosphorus contributions, with the Potomac and Susquehanna both adding nearly another fourth of the phosphorus levels each.

Meeting chairman David Ball lists suggestions for conservation representatives to put into action in encouraging Washington decision-makers to name Mason-Dixon as an erosion control target area.

George Wolff, head of the state conservation directors' soil committee, calls the Mason-Dixon proposed target area a unique one, because of its proximity of population to highly productive agriculture ground.

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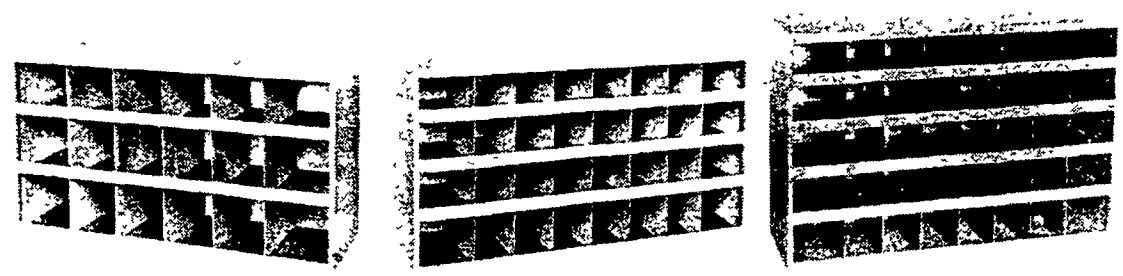

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USDA announces final compliance figures for reduced acreage program

WASHINGTON, DC — The U.S. Department of Agriculture today issued final compliance figures for the 1982 reduced acreage program for wheat, feed grains, rice and upland cotton.

Hoke Leggett, association administrator of USDA's Agricultural Stabilization and Conservation Service, said the base acreage in compliance was 43.7 million for wheat, 23.6 million for corn, 8.3 million acres of grain sorghum, 4.8 million acres of barley, 1.4 million acres of oats, 3.1 million acres of rice and 11.9 million acres of upland cotton.

Leggett said farmers complying with the acreage reduction program for upland cotton, wheat and rice agreed to reduce their base acreage of these commodities by at least 15 percent while feed grain producers voluntarily reduce their base acreage by 10 percent. The acreage taken out of production was devoted to a conservation use he said.

While the program is voluntary, only program participants are eligible for price support loans and target price protection. Farmers who complied with the wheat and feed grains programs also are eiligible for the farmer-owned grain reserve.

According to USDA tables submitted with this report, final compliance figures, in total acreages and in percentages for the Commonwealth of Pennsylvania read as follows:

- Pa. farmers have certified a total of 139,000 acres of corn; 25.37 percent of the acres enrolled or 12.10 percent of the total harvest on those farms complying total 105,000 acres of 76.02 percent of the acres certified.

- Pa. farmers certified a total of 779.4 acres of grain sorghum; 26.10 percent of the acres enrolled or 14.03 percent of the total base acreage. Acres planted for harvest on those farms complying total 617 acres or 79.25 percent of the acres certified.

- Pa. farmers certified a total of 3,245 acres of barley; 18.39 percent of the acres enrolled or 7.8 percent of the total base acreage. Acres planted for harvest on those farms complying total 2,607 acres or 80.35 percent of the acres certified.

- Pa. farmers certified a total of 13,318 acres of oats; 14.38 percent of the acres enrolled or 6.6 percent of the total base acreage. Acres planted for harvest on those farms complying total almost 9.302 acres or 69.85 percent of the acres certified.

- Pa. farmers certified a total of 25,522 acres of wheat; 28.93 percent of the acres enrolled or 13.91 percent of the total base acreage. Acres planted for harvest on those farms complying total 15,203 acres or 59.57 percent of the acres certified.

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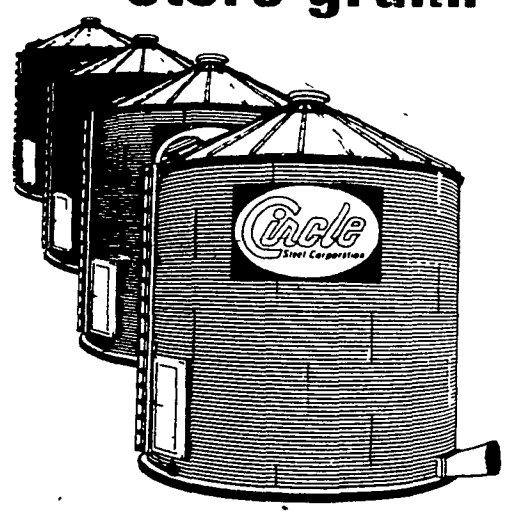

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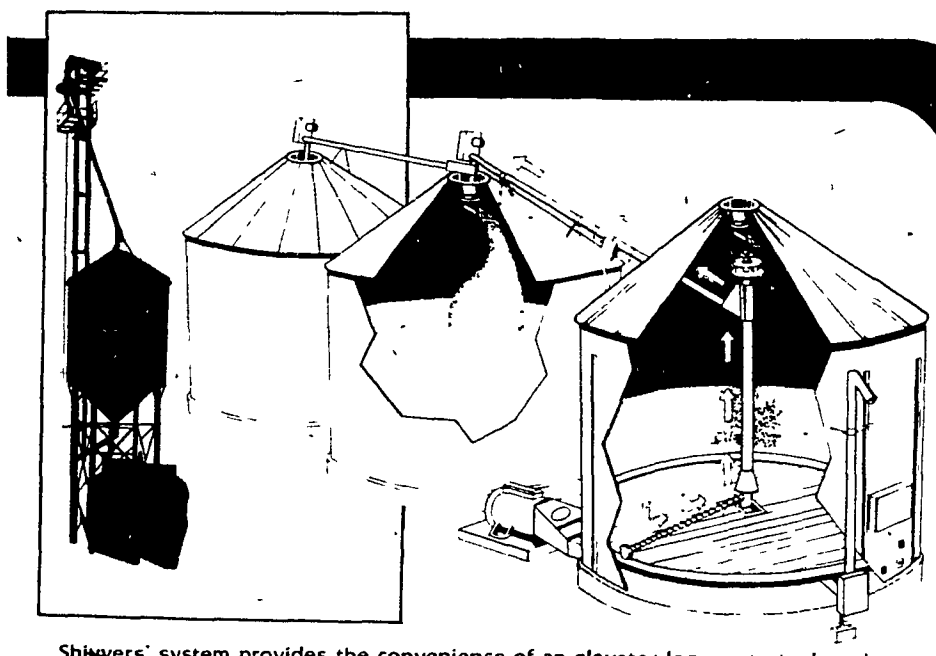

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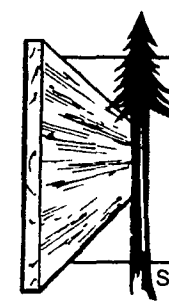

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Lapp earns top award

(Continued from Page A1)

butterfat and 15,621 pounds of milk.

Cedar Fringed Farm, owned by Francis Kirk, was designated as top Guernsey herd. Kirk's 114 cows produced 15,329 pounds of milk with 687 pounds of fat.

In the Brown Swiss breed, the top herd award went to Donald Trimble, also for the second year, for his 37 cows milking 14,485 pounds of milk with 614 pounds of butterfat.

Robert Ulrich of Quarryville claimed the Jersey award, with 86 cows producing 13,422 pounds of milk and 660 pounds of butterfat.

In all, there were 39 herds, up from 27 last year, producing over 700 pounds of fat. These dairymen were awarded ribbons at the two-day luncheons.

Also receiving recognition for their work in the Association were supervisors with 20 or more years of service. These included Harold Lindecamp, 29 years service to Red Rose and 32 years total DHIA service; J. Wilbur Houser, head supervisor of Pa. Dairyman's Assn. with 27 years service (he received Superior Supervisor award in January); Jay Risser with 27 years experience; Harold S. Probst for 25 years (he received a plaque also); and Moses H. Martin for 24 years.

Supervisors receiving $300 for superior service were Thomas Garrett, Wilbur Houser, Harold Lindecamp, Jay Mylin, Harold Probst, and Jay Risser.

Among the criteria for selection of this award are: 1. a mailing time of milk samples less than 2.9 days; 2. less than 1.5 errors per 1000 samples tested; 3. less than 2 percent of herds tested off centering date; and 4. favorable response from five dairymen interviewed by the director of his circuit.

Newly elected officers announced at the meetings included Jay E. Landis, 166 Short Lane, Lancaster, re-elected; Jay Bixler, R1 Marietta; Kenneth Hershey, R1 Kinzers; Samuel M. Martin Jr., R1 Gap; James Bowman, R1 Ronks.

Addressing the over 775 people attending the luncheons, was Philip Dukas who recently accepted the position of director of operations for the Pa. DHIA.

Though this is a newly formed position, the responsibilites the job will demand have been fully outlined already, including being responsible for the management of the Pa. DHIA program, answering to the Pa. DHIA Board of Directors and to the associate dean, Howard Thoele.

Dukas hails from Virginia where he was an area manager having experience in hiring and training supervisors, and expanding enrollment in Va. DHIA and communications with local boards and individual members. At the state level, Dukas supervised the accounting of DHIA programs and developed automated laboratory data collection and transmission. He also is a member of the NDHIA Rules Committee.

Dukas showed a slide presentation featuring a walking tour of the Central Milk Testing Laboratory Service Center.

To close the luncheon, dairy Extension agent Glenn Shirk reminded the participants that their DHIA records are "one of the chief management tools" they have.

Shirk also urged members not to fall prey to various agri-related individuals who attempt to make management decisions for their clients. "You are the master of your own ship despite the way everyone else tries to advise you. You should sit down and make management decisions and plans for your farm and stick to it. You're the boss," he said.

A fact sheet on the meeting's brochure also announced the following statistics for contemplation: 1981 Lancaster County Agriculture included 1,850 dairy farms harboring 101,900 cows, making the value of the milk a whopping $195,017,000 and the value of the dairy cattle, $161,127,000.

Jay Risser, left, and Jay Mylin were recognized for superior service at Wednesday's meeting. Both received the $300 service award. Risser was also recognized for 27 years service to Red Rose DHIA.

Frances Kirk, Cedar Fringed Farm in Peach Bottom, claims the number one Guernsey herd in Lancaster County for the 1982 testing year. Kirk has records of 15,329 pounds of milk and 687 pounds of fat on 114 cows. With Kirk is Philip Dukas, director of operations for the Pa. DHIA, and guest speaker for the two-day luncheons.

Harold Shelly of R2 Manheim captured the top spot for the Ayrshire herd in the county. His herd of 17 cows finished with a record of 15,621 pounds of milk and 623 pounds of fat. Dairy Extension Agent Glenn Shirk congratulates him.

NAME	NO. COWS	% COW DAYS IN MILK	LBS. MILK	LBS. FAT
Benuel Z Lapp	45 9	93 8	23,464	805
Nelson H Wenger	44 6	90 5	19,438	798
Paul H Martin	39 9	87 4	21,172	781
Ra El Holsteins	38 9	87 3	21,905	775
Allen Lee Stoltzfus	42 1	86 8	20,543	772
Robert Kauffman Jr	102 3	86 6	19,520	770
Vern-Lee Holsteins	44 9	84 4	20,101	769
Jacob S Dienner	55 8	86 4	20,564	763
D Lamar Witmer	28 9	89 1	21,180	761
Aaron Z Martin	28 6	89 2	20,063	759
Christian Zook	52 3	84 7	20,222	757
John K Peters	52 2	87 5	20,283	750
Weaver Homstead Farm	87 8	84 8	19,086	745
J Wilmer Conrad	40 0	87 0	20,489	738
Christian & Katie King	67 3	89 3	19,801	738
John H Howard	41 7	87 3	19,545	736
Hiram S Aungst	49 0	88 7	19,505	734
Gusty Crest Farm	28 0	91 0	19,770	733
Curtis E. Akers	59 1	87 7	20,230	732
Glenn E Burkholder	66 5	86 7	19,759	732
Springarden Farm	84 7	88 0	20,426	731
Ru Be Mar Farms	26 1	84 5	19,382	720
Henry U Stoltzfus Jr	45 4	89 6	20,391	719
Paul D Welk	74 0	89 3	18,111	719
John Z Beiler	42 0	89 4	20,200	718
Shellenberger Bros	74 6	87 0	18,876	716
Dale & Steve Hershey	56 0	89 4	20,158	713
Vernon R Umble & Son	79 9	87 8	18,968	712
Robert H Kauffman	71 0	84 6	18,578	711
Paul V Nissley	81 8	85 8	19,346	710
Earl N Landis	51 5	85 7	18,809	708
Jonas B Lantz	37 5	89 0	19,524	708
Ephraim D Riehl Jr	32 9	88 8	18,973	708
J Mowery Frey Jr	101 8	86 4	20,171	705
J Robert Kindig	61 7	86.6	18,699	705
Jonas E Zook	36 8	88 3	18,408	703
Kenneth D Myer	73 3	86 1	17,846	701
Nelson W Nolt	61 1	88 3	18,870	701
Ammon E Reift	32 3	88 2	19,073	700
Tritown Farm	31.2	88 9	19,797	699
Omar Smoker	38 4	89 6	18,632	699
K D & Else Linde	44 8	87 1	15,027	697
J Harold Musser & Son	50 8	86 8	18,935	697
John P Lapp	39 4	89 3	18,914	697
John S Zimmerman	64 8	88 1	18,266	694
Benuel S Stoltzfus	47 2	86 5	18,573	693
Darryl Bollinger	35 9	87 8	19,250	691
Riehlee Farm	33 6	90 4	18 919	691
Marbro Farm	47 7	85 8	18,886	690
J Earl Horst	38 3	87 6	18,575	688
Cedar Fringed Farm	113 8	86 3	15,329	687
Paul H Rohrer & Sons	86 8	86 9	18 508	687
John D Nissley	39 9	86 3	18 004	687

Farmers, SCS do more

HARRISBURG — In spite of tight money, Pennsylvania farmers invested more than $26 million improving the soil and water resources of the state, according to a Federal conservation official.

Graham T. Munkittrick, State Conservationist for the USDA Soil Conservation Service, reports that farmers in this State completed increased amounts of soil and water conserving practices during the past fiscal year. These facts were noted in the agency's annual report of activities.

"Farmers are finding out that they can do more with less," said Munkittrick. "The same is true with U.S. Department of Agriculture agencies who help farmers."

He noted that SCS had 18 less employees last year as compared to the previous year. However, the amount of soil and water conservation completed by farmers with SCS help has been increasing for the past several years. Cost-sharing funds have remained stable over this period. Considering the inflation rate, it means that farmers are putting more of their dollars into protecting the soil resources.

Munkittrick said that Pennsylvania farmers invested more than $26,400,000 in conservation work last year. Of this amount, $3,670,850 was cost-share funds from the Agricultural Stabilization and Conservation Service and $22,729,150 from the farmer's pocket.

In spite of the farmer paying a larger share of conservation work, the number of land users applying soil saving practices increased. Of the more than 26,000 farmers assisted by SCS, 16,000 completed one or more soil conservation practices. This is a 125 percent increase over the last four years, added Munkittrick. It also means that each farmer who applied conservation practices spent an average of $1,650 and received about 7 percent reimbursement from the Federal Government.

Increased emphasis on cost-effective conservation resulted in an additional 54,800 acres of conservation tillage used with SCS guidance. This compares to 18,000 acres last year. Munkittrick noted that SCS agronomists estimate that about one-half million acres of cropland are now planted by no-till or some form of reduced tillage.

He further explained that many farmers realize that conservation tillage, although effective in reducing soil erosion if properly managed, needs surface water control, too.

Surface water management practices have remained level or increased. Water control structures tripled in the past four years (572 each); cropland terraces almost doubled in one year (50 miles), while stripcropping (30,657 acres), grassed waterways (120 miles), and diversions (130 miles) remained stable compared to previous years.

Concern over recovering nutrients and water quality problems has brought a rapid growth in the number of agricultural waste management systems in the State. In 1978, SCS assisted with 89 systems. This grew steadily to 300 waste management systems the past year.

Munkittrick said that the proof of an effective soil conservation program can come from one figure — an additional 301,000 acres of Commonwealth land are adequately protected against soil erosion.

When questioned about doing more with less, Munkittrick saluted SCS employees for maintaining a positive attitude and putting a greater emphasis on basic farm soil conservation programs. He noted the outstanding guidance and support of conservation districts.

Looking to the future, Munkittrick predicts little increase in funds for soil and water conservation programs in the next few years. The Service will be increasing efforts in areas with the greatest soil erosion and other water management problems. More help will be given to watershed areas with identified nonpoint pollution problems.

Cost-effective practices such as conservation tillage and better grassland management will receive a bigger push. Munkittrick summarized SCS's plans this way—"We may not be able to help all farmers who want help, but we will help those who need it most!"

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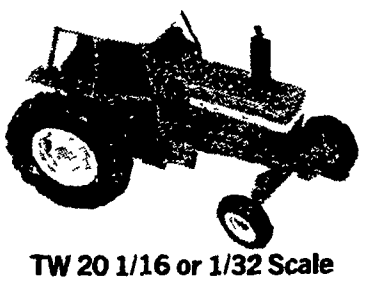

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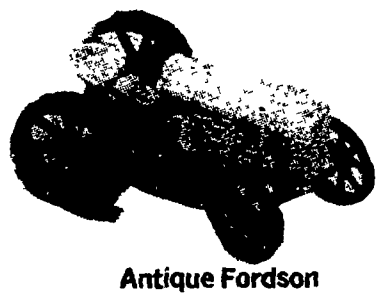

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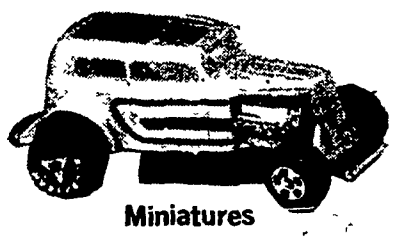

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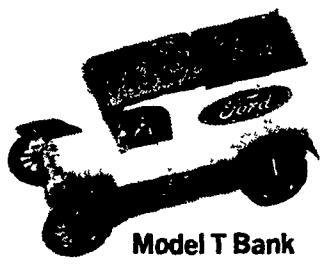

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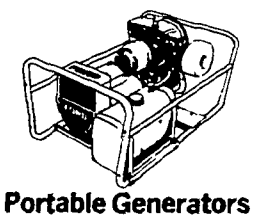

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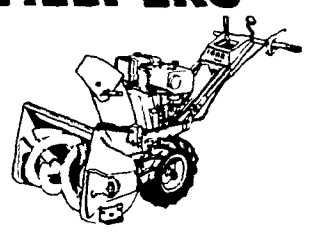

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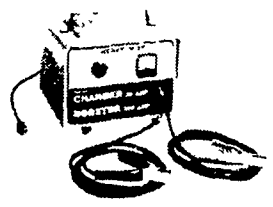

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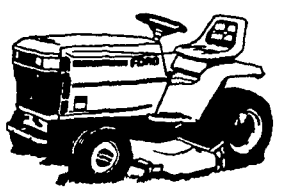

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NFU presidents calls for increased demand

LANSING, Mich. — Demand expansion rather than supply expansion is most urgently needed for economic recovery, George W. Stone, president of National Farmers Union, recently announced.

Speaking at the annual convention of the Michigan Farmers Union, at the Hilton Inn, Stone contended that food, housing, automobiles, and other consumer goods are all in oversupply in relation to the ability of the consuming public to buy at reasonable prices.

"What we need is demand-side rather than supply-side economics," he explained. "National economic policy needs to be re-oriented to stimulated purchasing power. It avails little to promote greater supplies when even existing supplies cannot be absorbed in the market," he stated.

The Farmers Union official acknowledged that plant modernization is important to enhance productivity and competitiveness.

"That is essential for the long haul, but it will have little immediate stimulative effect when industry as a whole is operating at only 68 percent of capacity and industries — like automobiles and primary metals — are operating at between 50 and 60 percent of capacity," he argued.

"It is obvious that our industrial leaders recognize that it is foolish to expand productive capacity when consumer demand is lacking," he added. "Instead, many industries are using available capital for investments in overseas plants and subsidiaries.

"What good is it to try to stimulate investment capital when industries are plowing about $50 billion a year into investments in foreign branches?" Stone asked.

The Farmers Union head declared that national policy should be geared to reducing the number of unemployed from the present 11.6 million workers to 3.5 million workers.

"It will probably not be possible to eliminate unemployment altogether. There will always be people who, for various reasons, will be between jobs. But, if we could get that figure down to 3 or 4 percent, that would be 8 million more workers actively contributing to the economy instead of drawing on it for jobless pay, food stamps, or welfare. That would make a big difference in terms of food demand and buying power for other consumer goods," he concluded.

Inter-State lists executive slate

SOUTHAMPTON — Robert B. McSparran of Peach Bottom, was re-elected president of Inter-State Milk Producers' Cooperative at the recent Board of Directors annual reorganization meeting.

Daniel Martin of Manheim, Pa., continues to serve with McSparran as Inter-State vice president. James E. Honan continues to serve as secretary and Robert M. Dever continues as treasurer.

Six directors were re-elected to three-year terms. They include: Curtis N. Kratz, Souderton; Andrew D. Stoltzfus, Morgantown; Charles E. Schilling, Petersburg; Park L. Buckwalter, Watsontown; H. Karl Beegle, Bedford; and Roy A. Weaner, Jr., Gettysburg.

Inter-State's Executive Committee for the coming year will consist of Ivo V. Otto, Jr., Carlisle, chairman; Roy A. Weaner, Jr., Gettysburg, vice chairman; Curtis E. Akers, Quarryville; William Brinsfield, Cordova, Md.; J. Wade Groff, Lancaster; William N. Hopkins, Lewes, Del.; and Daniel L. Martin and Robert B. McSparran serving Ex Officio.

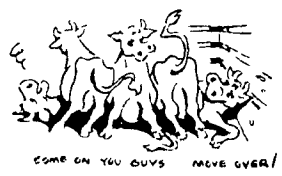
Delaware ag engineer offers sludge recommendations

NEWARK, DEL—Shrinivasa Upadhyaya, assistant professor of agricultural engineering at the University of Delaware, has received a national award for his paper, "Dynamics of Fruit Tree Trunk Impact."

The paper, published last year in "Transactions of the American Society of Agricultural Engineers," was one of eight to receive a 1982 Paper Award from the society.

The mathematical model developed up Upadhaya and co-authors Rand and Cooke of Cornell University offers an improved method of estimating the energy transferred during impact harvesting of tree fruits, such as apples.

The authors are interested in minimizing the damage of fruits harvested by this means, which involves the application of force to the tree trunk. The model provides information that will be useful in the design of tree-fruit harvesting machinery.



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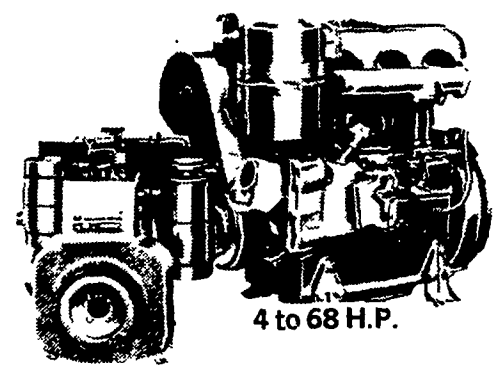

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Rabies cases increase five-fold

(Continued from Page A1)

The death of the Peach Bottom cow is the first documented case of rabies being transmitted by a bat to a bovine in Pennsylvania. The bat was actually observed on the neck of the cow approximately two months ago.

Last year, a cow died of rabies in Adams County but the exact source of the transmission is not known.

And while the case concerning the cow is the most dramatic of 1982, it is just one of a growing number of confirmed rabies diagnoses for the year. Thus far, there have been 71 cases of rabies listed in the Commonwealth by the State Health Department. That compares to 14 for all of 1981.

That's more than a five-fold increase in rabies thus far this year.

"Farmers should always be concerned, but there's reason to be extra concerned this year," said Dr. Ernest Witte, head of the Epidemiology Section of the State Health Department. (Epidemiology is concerned with the control of diseases.)

"There are always bats in barns and stables and now we have the first confirmed case of rabies transmitted to a cow through the bite of a bat in the state.

"But bats aren't the only concern since we also have terrestrial rabies being transmitted by skunks, raccoons, etc.

"From 1979 to June of 1981, almost all of the rabies in the state was in bats until a dog in Dauphin County was confirmed with the disease."

Dr. Harold Russell, consultant, public health veterinarian and epidemiologist for the Chester County Health Department, has been studying the spread of rabies for a number of years.

"For the past five to 10 years rabies has been migrating north, starting in Florida," he explains.

"It appears that this spread is now affecting Pennsylvania."

(Remember the President Carter episode with the rabbit in Georgia. Well, that was part of this migration.)

As another example of the migration, the state of Virginia has more than 400 cases of rabies this year.

But if that isn't enough, Pennsylvania seems to be caught in a rabies pincer. In addition to the skunk and raccoon rabies migration north, the disease seems to be moving south down the St. Lawrence Riverway in foxes. It is now in New York State.

"We're doubly concerned here in Chester County when you start talking about foxes," Dr. Russell explains.

"We have a lot of fox hunting down here."

Large-scale studies are being escalated concerning the spread of rabies and particularly if two different strains are involved.

The Peach Bottom cow that was put down was of milking age, but there is no danger from the milk if it is pasteurized. She had been treated two or three days prior to her admission to New Bolton Center on an emergency referral basis.

Besides the post mortem examination, pathological studies were also done at the state's Summerdale Laboratories.

The rabies were confirmed on Thursday, Dec. 2. The cow was brought to New Bolton on Sunday, Nov. 28.

Rabies, a virus that attacks the neurological system of warm-blooded animals, is usually spread by direct bites, as with the bat. The virus is also shed in large quantities in the saliva of an infected animal and can be transmitted when it comes into contact with open wounds or mucous membranes.

The herd of the Peach Bottom farmer has been quarantined. All areas of New Bolton Center which the animal contacted have been sanitized.

Dr. Lawrence Glickman, Chief of Epidemiology at New Bolton Center, has termed the rise in rabies in skunks and raccoons one of "alarming proportions."

The following recommendations have been issued as preventive measures concerning rabies:

—All dogs and cats be immunized against rabies.

—Any animal showing neurologic or behavior changes be taken to a vet for examination.

—Don't handle wild animals or keep them as pets.

—High risk animals such as skunks and raccoons should definitely not be handled, even if commercially purchased.

—Any strange behavior or unexplained deaths in wild animals should be reported to local health authorities or the State Game Commisssion.

—Any animal bite should be thoroughly cleansed and reported promptly to a physician.

Berks DHIA

(Continued from Page A27)

make available to owners if originals are lost.

Briefly mentioning the new coding for the somatic cell count program, Dukas stated that for every increase of one on the SCC code, a cow loses 1.4 lbs. milk per day. If a farmer can reduce his herd average SCC code by 1, he could gain up to 400 lbs. milk on his herd average.

Burd Schantz, President of the Berks County D.H.I.A., conducted the business meeting with the proposed bylaw changes concerning election of directors, vacancies in office, and the executive committee being the main order of business.

In his report to the membership, Schantz reported that the Board of Directors is considering establishing a method of tester performance evaluation in order to check all supervisors. Stating that few or no mistakes in herd testing was the goal, he hoped that this would be a type of incentive to do a better job. He also added that the farmer must be conscientious and give correct dates and herd information.

The Pa. D.H.I.A. is also working on new rules for farm-owned meters in order to better monitor their accuracy. Instead of investing in a personal meter, it might be better to use the meters of the Association. Berks County has recently purchased several new meters, rebuilt old ones, and with the care of them being better, repair bills are down.

Also mentioning some of the new rules to farmers on D.H.I.A., Schantz urged farmers to comply to keep violations at a minimum. Visible identification on each cow is a must. The metal ear tags are no longer acceptable since they cannot be readily seen. Bulk tank weights will also be listed on test sheets and cancellation of testing will not be allowed and any cancellations must be reported to the state office by the supervisor.

Concluding his report, Schantz added that costs of operation will not come down in 1983, but that farmers can look forward to more accurate and efficient reports from State College in the coming year.

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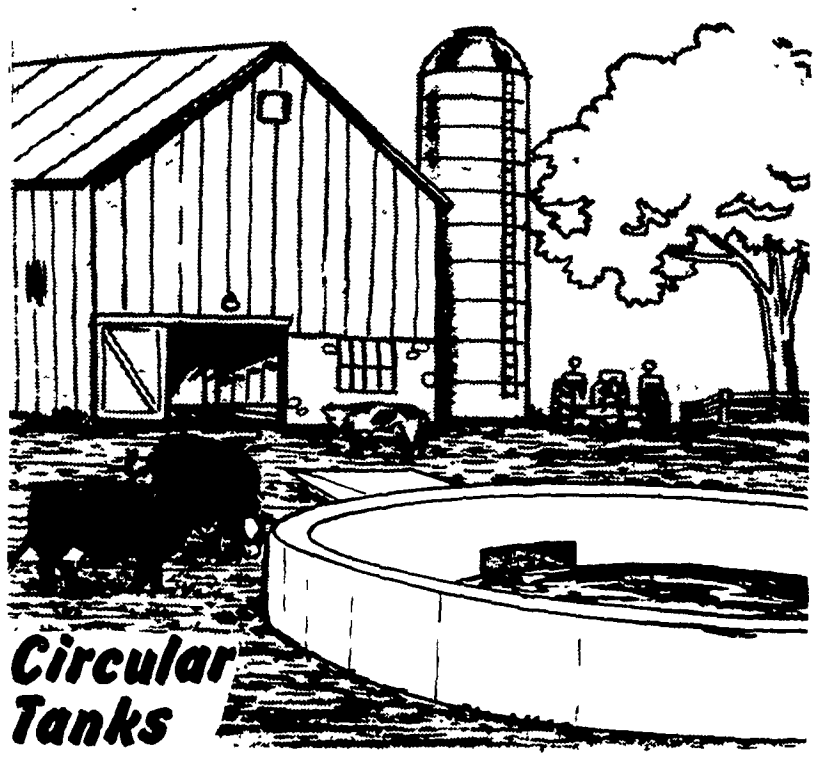

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McMillen's Kingpin

(Continued from Page A24)

"Having a cow like that made it a real joy to go to the barn in the morning. To go Gold Medal, you know she had to be a good cow," Ray remarked.

The old cow's bloodlines, said Ray, created animals that classified Very Good or higher, regardless of the sire used.

"The family produced a lot of heifers and they seem to get better," he added.

"The Kingpin was able to transmit type and production and descendents are doing the same. We've stuck with that family as much as possible. It makes it much simpler to breed a herd with the same bloodlines.

"You know pretty much the pattern they show. The other family is coming along with ET work," explained McMillen.

And the other side of the Admiral Pride twins pulled their share of the load also. An Elevation daughter RayMc-Linda Rag Apple has supplied the McMillens with two Excellent daughters (including this year's butterfat champion) and several Very Good offsping.

"All her daughters have Excellent mammaries with four percent test. And that's when you get into the export market," said Ray.

More than 20 RayMc bulls have entered A.I. service, both domestic and abroad, and a host more have been merchandised for pasture breeding.

The Linda cow also resides at Genetics Unlimited. Her last natural calf ripped her cervix and after a 500-day open period, the decision was made to flush her.

One of her first ETs, RayMc Round Oak Linde-ET, scored 87 in her first outing and is projected in her second lactation at 22,648 pounds of milk, a 4.1 percent test and 844 pounds of butterfat.

Ray recalled the early days of building pedigrees and records.

"We used to be very conservative with grain. We never fed more than 20 pounds of grain and fed hay five time a day," he reported.

Today the herd consumes about 35 pounds of corn silage, 12 pounds of hay and up to 40 pounds of grain. This year, the McMillens have added, for the first time, bicarb to the ration at a rate of 20 pounds to a ton. In addition, bicarb is fed free choice in the lot.

The grain mix includes ear corn and shell corn, 44 percent soybean meal, wheat, oats, beet pulp, molasses and linseed meal plus vitamins and minerals.

Forage is tested twice a year, with the bulk of the herd's forage needs met by corn silage.

"We feed corn silage year round. We don't change our ration.

"Our cows are doing so well we can't afford to make a change," Ray noted.

The McMillen farm is operated by Ray, sons Larry and John and hired man and long-time family friend Dick Metz. Ray's wife Barbara, hails from a dairy farm and when she's not working full-time teaching, Barbara pitches in when needed.

An avid deer hunter and Master Farmer, Ray McMillen's climb to successful breeding was not without its tragedies.

A few years ago he lost his first wife, Helen, who was stricken with leukemia. They began farming in 1949 and Helen's grade Holsteins helped pay bills for the young farmers until they eventually gave way to an all registered herd.

Ray's father Dwight, an active dairyman, was killed in a hay elevator accident in 1959.

"Since then I took a different view in life," he stated. "I was going to live my life for today so I don't have to fear tomorrow."

A sensible philosophy for life? Maybe. But how often do we take tomorrow for granted?

Ray McMillen, left and son Larry flank Perry County's top butterfat producer. Ray Mc Ormsy Rag Apple, Ex-90 turned in her last lactation at 31,100 pounds of milk, 4.0 percent butterfat test for 1,229 pounds of fat.

John McMillen adds the finishing touch to his clip job of Ray Mc Round Oak Linde-ET. This 87-point 4-year old stems from McMillen's strongest cow family, as does the majority of the herd, which traces back to McMillen's famed Kingpin daughter.

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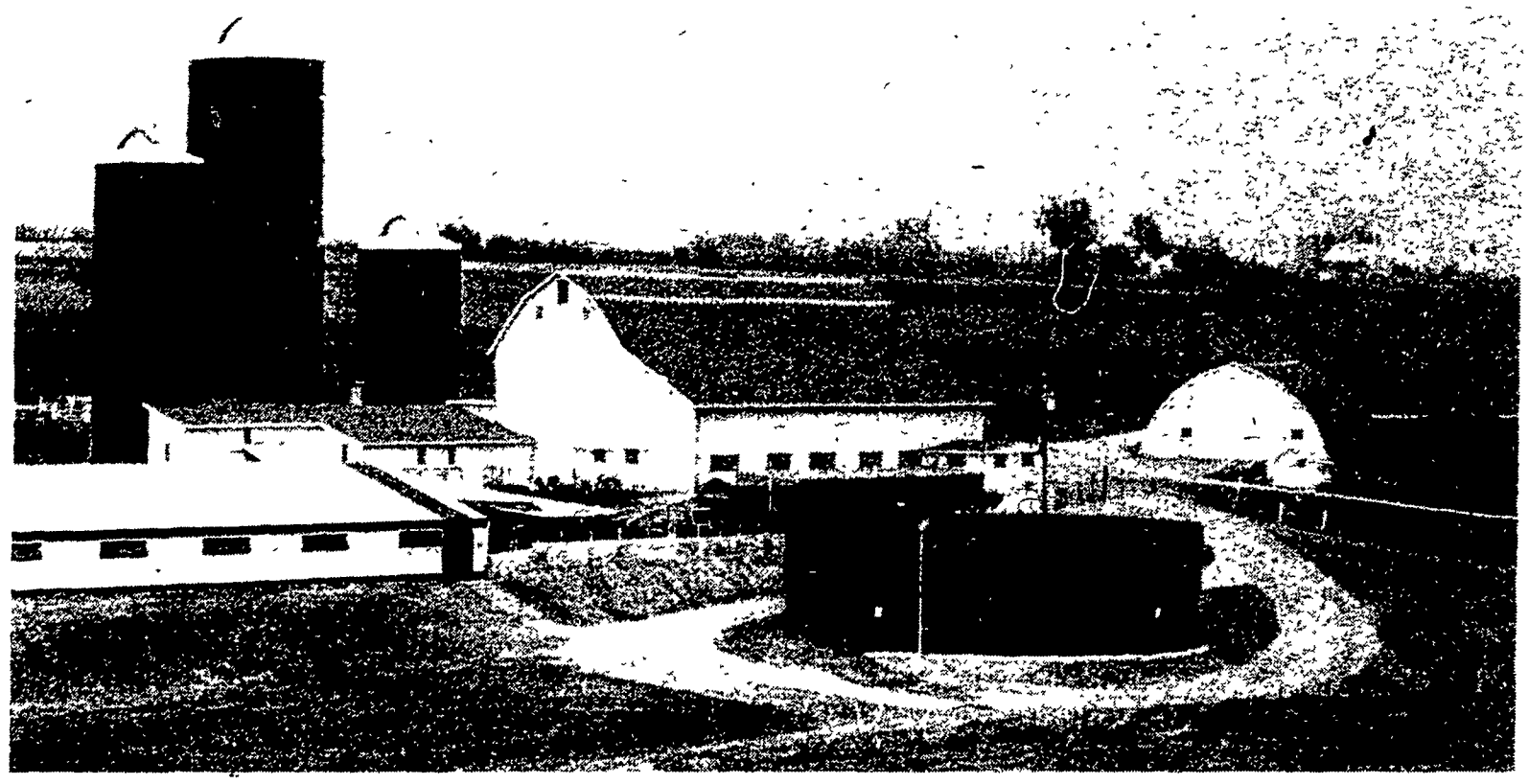

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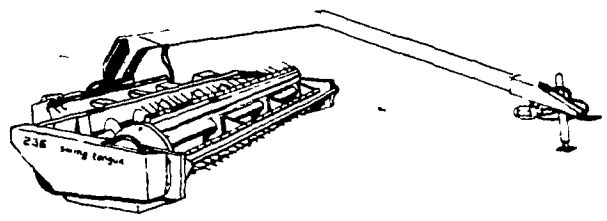

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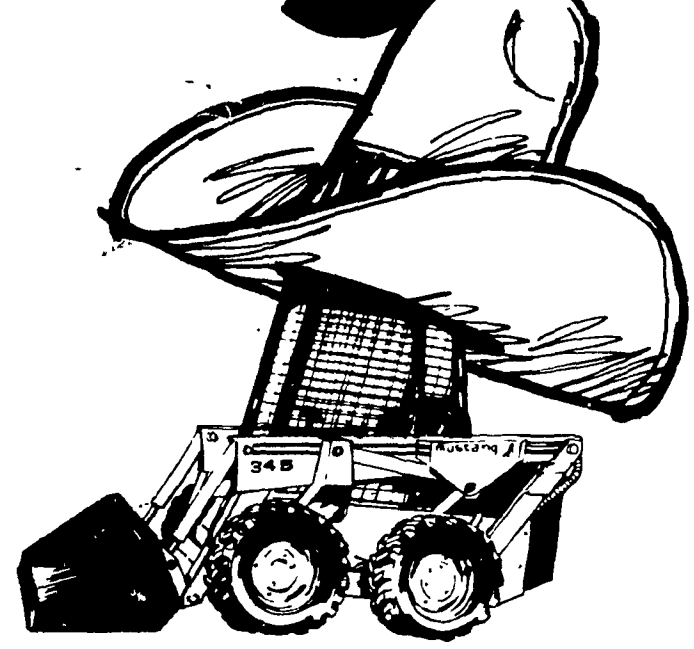

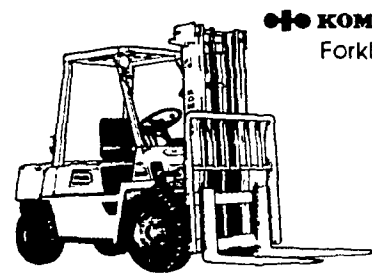

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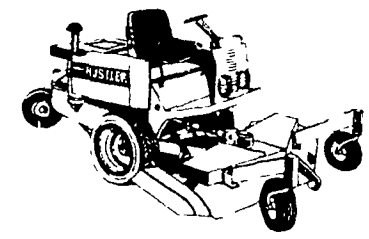

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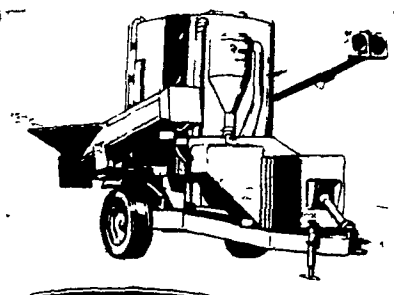

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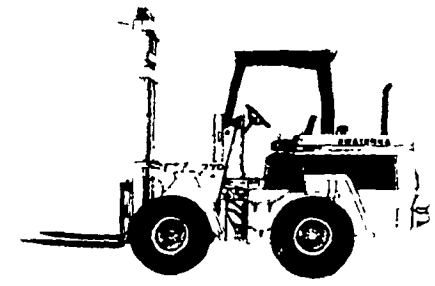

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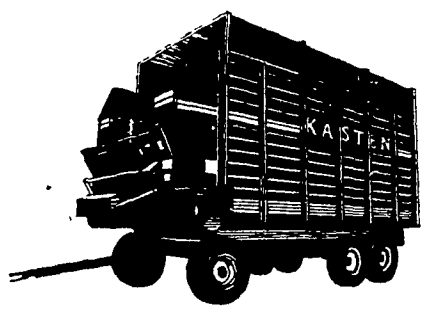

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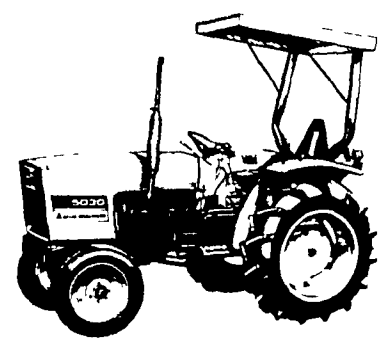

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With Christmas comes cookie-making time for Mae Breneman

BY SALLY BAIR
Staff Correspondent

"The child who bakes cookies today will make cookies tomorrow. Mothers should put themselves into it. If you work with your children you are sewing a seed that will grow."

These words come from Mae Breneman, 2586 Lititz Pike, a collector of antique and new cookie cutters, and one who loves to use them herself. She readily admits that making cut-out cookies is time consuming, stating, "Unless you have the time and the patience, don't do it."

She adds, "I believe in teaching children very early. There are certain doughs that can be made successfully by children - they are not messy. It is time consuming, but if you use the proper recipes, you can start in early December and certain recipes will be just as good at Christmas as when you make them."

Mae remembers that as a child she enjoyed making cookies with her mother. In fact, she recalls, "My mother told me that no matter what she did I wanted to do it too. My mother told me I cut up a chicken when I was seven. Today I can cut up a chicken with my eyes shut."

When asked what kind of cookies she made as a child, Mae replies, "We made all kinds of cookies, period."

Mae is a firm believer in using antique cutters if you have them. Special care is not required in using them, just common sense. "After you use them, you scrub them well with hot water and soap and dry them in the oven. I don't have any that have rusted," Mae says.

Her cutters are stored on strings and hung from a nail in the cupboard with her other baking items.

Mae doesn't have an accurate count of her cookie cutters, but admits, "I have a terrible time deciding which ones to use." She has a wide variety of cutters, from an American eagle to a sheep to a very plain Ephrata cloister cut-out. There are some which strike her fancy more than others, but as she goes through them she exclaims over several which are very special to her. One special favorite is a newly made one, a tiny, simple angel. The angel is so simple that Mae has used it as a pattern for her needlepoint, something she says all cookies cutters are good for.

Mae believes that the old cutters made in shapes with a backing are the sturdiest and best. The backing helps keep their shape, and she points out, "It goes back to our ancestors. They worked for permancy. My old ones are in as good a shape as when they were made." She notes that there are many tinsmiths today who are making cutters in the old way, and these she feels are superior.

Admitting to buying cutters "all the time," Mae never buys old ones unless "it is something unusual." At flea markets she says, "I can't go past a stall with cutters without stopping."

Research in early Pennsylvania Dutch cookbooks shows that the use of cookie cutters was very widespread in eastern Pennsylvania. According to the authors of "Pennsylvania Dutch Cookery," in no other community, can one find cookies cut and fashioned into all sorts of figures and designs." While this generalization is no longer true, some of the most interesting forms of cutters are found in the Pennsylvania Dutch area of Pennsylvania.

For those with an interest in collecting cookie cutters of all kinds, there is a national organization called the Cookie Cutter Collector's Club which was founded 10 years ago. The Club has a newsletter called "Cookies" which is published six times annually by Phyllis S. Wetherill, 5426, 27th Street, N.W., Washington, D.C. 20015. It offers an interesting way to meet other collectors and add to your own collection.

Making cookies into shapes dates to pre-Christian times when animals, either real or fashioned from dough, were sacrificed to Wodan, God of life and death. According to legend, Wodan rode through the stormy nights. With the advent of Christianity, more and more figures were made of dough, and today cutters come in almost any shape imaginable.

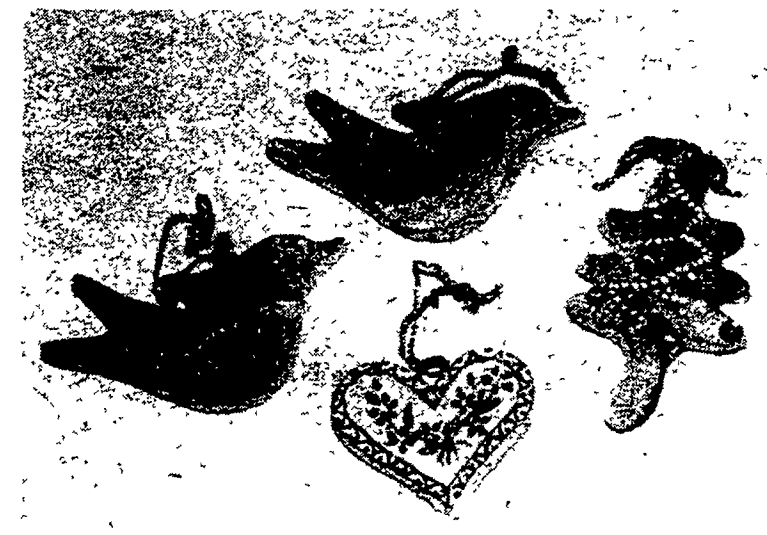
Mae feels one of the reasons for the current interest in old cutters is publicity. "Publicity is encouraging it - either by word of mouth or print. Nostalgia is also encouraging it."

One of the biggest interests in Mae's life is the Pennsylvania Farm Museum of Landis Valley. She is known primarily as the teacher of rug braiding classes at the Museum, but in the summer she volunteers once a week, often on the porch of the Landis House.

Her interest in the Museum stems from her friendship with the Landis brothers. "All my life I knew them," she recalls. Henry and his brother George were the founders of the museum. Mae remembers that Henry, a very tall man, was known by local people as "Grosshenner."

(Turn to Page B4)

Mae Breneman leafs through a notebook which contains many family recipes passed on through the generations. She is surrounded by her cookie cutters, both antique and modern, which she uses to make cookies each year. Her favorite recipes are included in the article.



These "everlasting" cookies will last a long time as tree ornaments. They can be made into any shape and decorated with felt tip pens, paints or crayons. It's a perfect winter activity for children. These cookies were made in 1971 by Mrs. Linneus Reist as a gift for Mrs. Breneman and remain in perfect shape.

Homestead Notes

These antique cookie cutters are a small part of Mae Breneman's collection. She is a firm believer in using them, advising only to wash and dry them well before storing them. She believes that the cutters made with a backing are sturdy to withstand years and years of use.

It may take an expert cookie maker like Mae Breneman to plan and produce quantities of delicious and varied cookies year after year, but the actual cutting, as Mae will attest, can be done by a 4-year-old child. . .and usually quite willingly. Here, Theresa, 4, and Alan Groff, 7, children of Mr. and Mrs. John B. Groff of R3 Mt. Joy, show their new-found expertise in the cookie-making world.

REDUCE YOUR 1982 INCOME TAX

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2. Reduce your taxable income with an additional depreciation deduction for 1982.

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4. Lower maintenance cost with a new machine.

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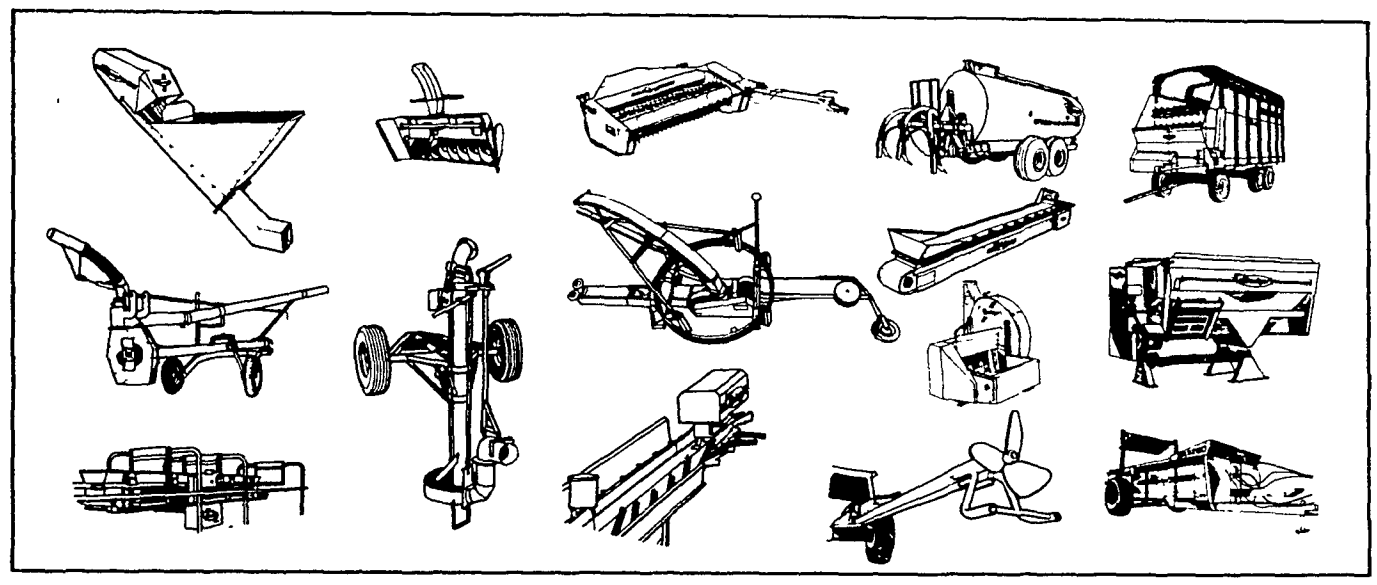

The investment tax credit will help to reduce your Federal income tax up to 10% of the cost of buying Badger Northland equipment.

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The credit directly reduces your Federal income tax dollar for dollar up to $25,000 plus 90% of the liability for tax in excess of $25,000. Any credit which you are unable to use in the current year may be carried back and utilized to obtain a refund of Federal income tax paid in the three previous years The remainder, if any, may be carried forward to reduce such tax in the seven succeeding years.

All new and used Badger Northland machines purchased and used in business or for production of income qualify for the credit. (Used machines purchased are subject to $125,000 investment limit per taxpayer. There is no limit on new machines.)

The full 10% credit is available if the machine purchased has a useful life of at least 5 years. If the useful life is 3 or more years but less than 5, the credit is 6%. Generally, the credit may be obtained on the total purchase price of the machine. If you are trading in your old machine for a new one, some investment tax credit claimed in previous years may be recaptured.

Whether the machine is paid for in cash does not affect the amount of the investment tax credit.

If the machine is disposed of before its claimed useful life is exhausted, the credit is recomputed and may be wholly or partly recaptured.

A combination of the investment tax credit and depreciation could substantially improve your cash flow.

For example: Assume that your joint federal income tax liability for 1982 is expected to be **$18,000.** If you decide to purchase 2 new Bader Northland Forage Wagons for $10,000, your tax liability may be reduced by the investment tax credit of **$1,000.** The normal depreciation rate assuming a five year useful life is $10,000 x 15% x 33%* = **495.** Total Reduction = **$1,495.** Reduced Federal Income Tax Liability = **$16,505.** (*Assumed marginal tax rate of 33%)

Check with your tax advisor to determine the exact benefits of purchasing Badger Northland machinery before December in your particular circumstances

And that is not all, for you will be able to reduce your future tax liability by claiming depreciation on the remaining undepreciated cost

The example is based on the Accelerated Cost Recovery System (ACRS) depreciation rates

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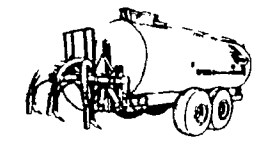

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CASH PRICE	$1000	$1000	$1000
DOWN PAYMENT/TRADE IN	200 (20%)	250 (25%)	250 (25%)
AMOUNT FINANCED	800	750	750
FINANCE CHARGE	0	144 29	219 35
DEFERRED PAYMENT PRICE	1000	1144.29	1219 35
MONTHLY PAYMENT	66.67	37.26	26.93

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TERM AND ANNUAL PERCENTAGE RATE	12 mo/8 5%	24 mo/17 5%	36 mo/17 5%
WAIVER	NO	4 mo max	4 mo max
CASH PRICE	$1000	$1000	$1000
DOWN PAYMENT/TRADE IN	200 (20%)	250 (25%)	250 (25%)
AMOUNT FINANCED	800	750	750
FINANCE CHARGE	37 31	144 29	219 35
DEFERRED PAYMENT PRICE	1037.31	1144 29	1219 35
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Christmas cookie time

(Continued from Page B2)

At the time the brother lived at Landis Valley it was the center of activity, according to Mae. "It was a place of bartering as well as a meeting place."

Mae remembers that the tavern was open to the public long before the state took over operation of the museum. She remembers that the brothers placed a "poor box" on a table in the tavern to help defray expenses, but almost no one "saw" the box. In the 1960's, she taught tole painting in the basement of the tavern and as long ago as the early 1940's the brothers asked her to teach a cookie-making course with the antique cutters they had collected.

She didn't get around to teaching that course until last year when a group of nine women gathered at the Museum and used old recipes and old cutters to bake cookies for Christmas.

One reason she feels at home at the museum is probably her background about which she says, "All I did all my life was teach, teach, teach." Indeed, she retired as professor emeritus from Millersville in 1959 after "training teachers" and teaching geography.

Mae shares some of the recipes she uses at home and used in the cookie-making class at Landis Valley Farm Museum at the end of this article. Most of the recipes come from a handwritten loose leaf notebook which contains recipes from mother and grandmother.

The Everlasting Cookies are not designed to be eaten, but make interesting ornaments for the tree. Mae uses hers on a festoon hanging from the chandelier in her dining room. She has some cookies given to her by Mrs. Linneus Reist in 1971, and they are as perfect as they must have been then.

Everlasting cookies are especially good for children to make because after the baking, they must be painted or decorated with crayons.

Mae says, "You can paint with anything. Felt tip pens work well too." She feels its a good idea to gather a small group to make the cookies so that someone can roll and cut out; another can make holes for hanging the ornament and tend the oven; a third can paint; and a fourth can spray the finished product with acrylic spray which will ensure its staying nice over the years.

She cautions that positioning the holes so the ornaments hangs with balance can be a little tricky.

What kind of cookies will she make this year? One kind on her list are thin oatmeal cookies which she says "will last forever and a day without getting stale." She will also make hermits, molasses cakes, stuffed raisin cookies and sour cream currant and pecan cookies.

She advises storing the cookies in tin containers, saying that as a child they were stored in "lard firkins." (That's a can, for those of the younger generation.)

There is nothing that will bring the sparkle to your children's eyes as quickly as choosing a cutter and backing some interesting shapes and forms. Why not make cookies a part of your holiday tradition this year?

BROWN MORAVIAN SNAPS

½ cup lard
½ cup butter
1 cup light brown sugar
1 cup Gold Lable New Orleans Molasses
4 cups sifter flour
1 teaspoon ginger
1 teaspoon cinnamon
¼ teaspoon nutmeg
1 teaspoon baking soda
¼ cup warm water

Roll on floured surface and cut in shapes. Bake at 325 degrees for 10-12 minutes. Cool a bit before removing from pans to prevent breakage. For a shine, they may be "washed" with beaten egg a minute before putting in oven. Makes about 300 tiny cookies.

THIN OATMEAL CAKES

2 cups lard and butter, or margarine
6 cups quick cooking oatmeal
3 cups brown sugar
1 teaspoon salt
2 teaspoons soda
2/3 cup buttermilk
2 teaspoons vanilla
4 cups flour

Cream together the lard and butter and oatmeal. Mix in dry ingredients. Roll to ¼ inch thick, then use cutters. Wash with beaten eggs and bake at 350 degrees for 10 minutes. Makes 9 dozen cookies.

EVERLASTING COOKIES

4 cups flour (cheapest you can buy)
1 cup cooking salt
1½ cups water

Work ingredients together and finally knead dough for five minutes. Roll very thin on a floured surface. Cut with interesting cutters. Put a hole in each (with a nail or awl) so they can be hung up with a cord. Bake on greased cookie sheets for 25 minutes at 325 degrees. Cool a bit before removing from pan to avoid breakage. Decorate with crayons or water colors. Spray with an acrylic spray so they will last. Store in an airtight container.

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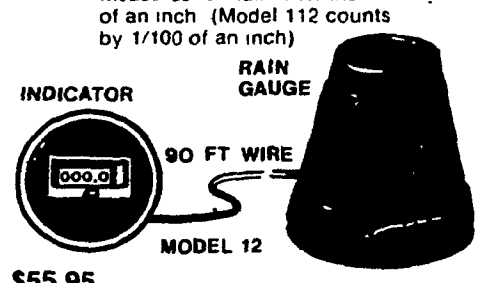

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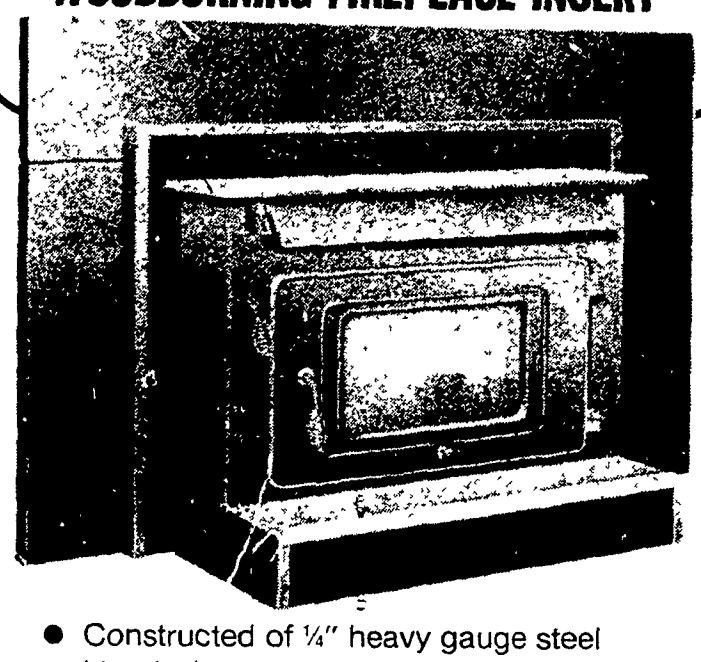

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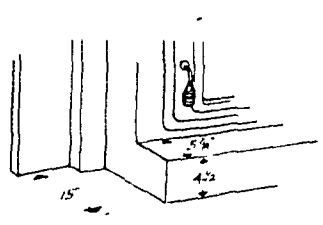

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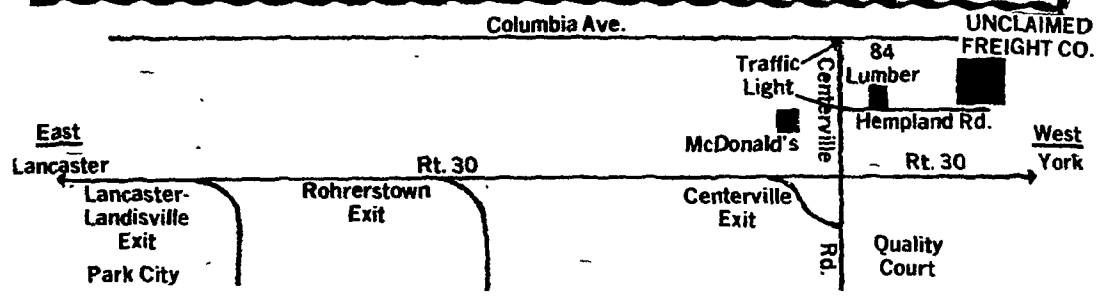

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Bulbs out, bulbs in...same old story every fall. While the jobs of digging last summer's flowering bulbs and planting next spring's splash of color may seem tedious at times, they are jobs well worth doing.

According to J. Robert Nuss, Extension horticulturist, there's still time to finish these jobs in many parts of Pennsylvania. So, if your garden hasn't frozen for the winter, get out your tools and get to work — months worth of garden delight are at stake.

Check to be sure you have dug and stored any tender summer flowering bulbs, such as ismene, calla lilies, dahlias, gladiolus, and tuberous begonias. Most of these cannot survive a winter's rest in subfreezing ground temperatures.

Once these have been dug, dry them in the sun for several hours or dry them on an old screen for several days where they are protected from freezing temperatures. Then, cut the leaves, leaving just a short stem, and shake off excess soil. Don't divide the clumps until spring when you are ready to plant them again.

Store the bulbs in cartons, baskets, plastic bags, or boxes in a storing medium of dry peat moss, vermiculite, perlite, or sand. Unheated basements make ideal storage places, but you can use any location where temperatures remain fairly cool.

In most areas of the state there's still time to set out late flowering hardy bulbs. Daffodils, hyacinths, tulips, and hybrid lilies can be planted as long as the soil is soft and workable, but the sooner the better. Smaller, earlier flowering bulbs need the warmer temperatures of early fall to establish their root systems in order to flower properly at the first signs of spring.

Now, while you are still thinking about bulbs, curl up in a chair and read over those garden catalogs again. Bulbs especially prepared for forcing and tender bulbs, corms, and tubers for late summer flowering make lovely Christmas presents that will be appreciated for years to come. Many bulb houses have toll free numbers for quick direct ordering.

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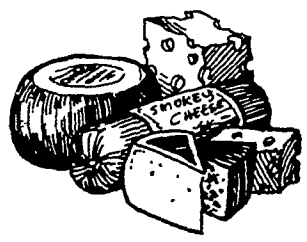
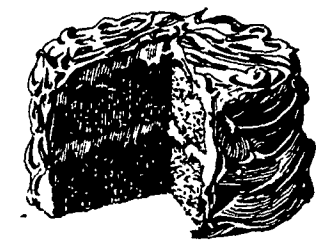


Home On The Range



More unusual dishes for the holidays

Holidays are rich in tradition and chief among traditions the world over, is food. Lots and lots of homemade dishes and desserts, especially as presents for a friend or loved one, abound in most homes during the Christmas season.

Fond memories of cookies baking in the oven and the aroma of fresh baked bread filtering through the house have stayed with many people throughout their lives.

Perhaps using the imagination is what creates the best memories in these impressionable children. Give your youngsters memories they'll cherish by creating an unusual dish, a dish that you'll probably dedicate to the Christmas season.

On this page are several such dishes you can create for the holidays.

SALMON CHEESE PATE

7 oz. can salmon
8 oz. cream cheese
1/4 c. crumbled blue cheese
1 T. grated onion
2 T. chopped parsley
1 T. lemon juice
1/8 t. pepper
1 t. Worcestershire sauce
dash garlic powder
parsley sprigs

Drain and flake salmon. Blend cheeses with salmon and seasonings until smooth. Mold in small bowl lined with plastic wrap. Chill several hours. Ummold; garnish with parsley sprigs. Makes about 2 c. pate.

Serve with crackers, toast rounds or thinly sliced rye bread.

Food Service, Inc.

Eggs, pumpkin and spice combine in this gelatin pudding that cuts calories but not rich flavor. Though this dish would be almost impossible to give a friend, you still could invite them to your house and serve the delicious dessert there.

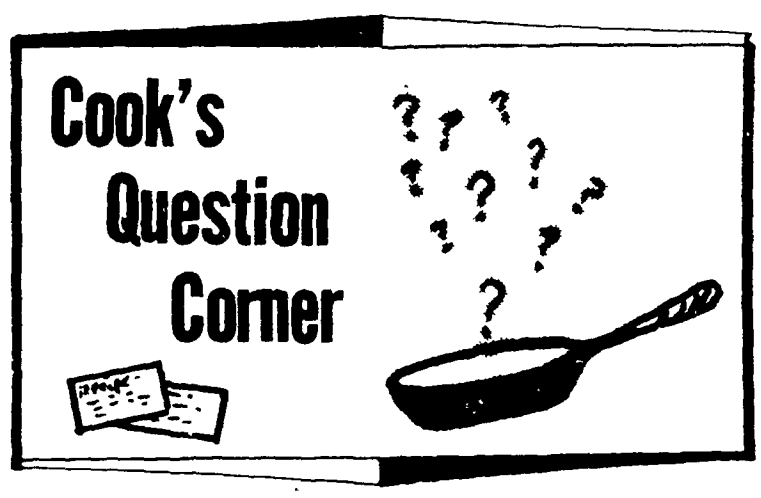
PUMPKIN PUDDING

4 eggs, separated
1/2 c. firmly packed brown sugar
1/2 c. water
2 envelopes unflavored gelatin
2 c. cooked pumpkin
6 ice cubes
1 T. pumpkin pie spice

In medium saucepan, beat together egg yolks, sugar and water. Sprinkle with gelatin. Let stand 1 minute. Cook over low heat, stirring constantly, until gelatin is dissolved and mixture is slightly thickened, about 5 to 8 minutes.

Pour into 5-cup blender container. Add egg whites and remaining ingredients. Cover and blend at high speed until ice is melted, about 2 minutes. Pour into 6 (6-oz. each) serving dishes. Chill until set, about 1 to 2 hours.

American Egg Board



NOTE - We received such favorable response to last week's Home on the Range Section, featuring unusual holiday dishes to give as gifts, that we decided to feature more this week. Perhaps between the two weeks, you'll find that "just right" gift for your friends. Look for next week's Home on the Range when we will feature cookies.

NOTE - We recently published a recipe called "Spice Molasses Cookies" that since has produced many puzzled readers. It seems that the cookies don't want to cooperate with the cooks by tasting good. Se we recommend that if you have this recipe, pitch it before wasting money on making them. We would like to take this opportunity to remind readers to double check submissions as we have no way of kitchen-testing recipes. This is the only way we can continue to offer you such a large and varied selection of recipes.

QUESTION - I would like to have a recipe for onion rings. Can anyone help me?

Erma Sheriff, Marysville

QUESTION - Has anyone ever canned mint tea? We want the procedure for making it fresh in summer. We don't care for it from dried tea. Also, does anyone know how to can cider?

Ruth Emerson, Cochranville

Recipe Topics

December	
18	Christmas cookie time
25	Unique ways to serve ham
January	
1	Thick, juicy beef dishes
8	Warm soups for cold weather
15	Make it with an egg

CANDLEGLOW CASSEROLE

7 oz. spinach noodles, cooked and drained
1 c. diced, cooked turkey, chicken or ham
5 hard-cooked eggs, sliced
2 c. shredded mozzarella cheese
3 eggs
1 c. small curd cottage cheese
1/2 c. milk
1 T. instant minced onion
1 t. garlic salt
1/2 t. basil leaves, crushed

In greased baking pan, layer 1/3 noodles, turkey if desired, sliced eggs and mozzarella cheese. Repeat layers twice. Beat together 3 eggs, cottage cheese, milk and seasonings until well blended. Pour over layers. Cover and bake in preheated 350 degree oven for 30 minutes. Uncover and continue baking until cheese is lightly browned, 5 to 10 minutes.

Pa. Department of Agriculture

PIXIE PUDDING

2 1/2 c. milk
1/4 c. sugar
1/2 c. semi-sweet chocolate morsels
1/2 t. vanilla
1/2 t. rum extract, optional
1/2 c. rice
1 whole cinnamon stick

And while your friends are visiting at your home, serve them this Salmon Cheese Pate. It's great on crackers, toast rounds or thinly sliced rye bread.

4 eggs, separated
1/2 t. cream of tartar
whipped cream, optional

In medium sauce pan, bring milk, rice, sugar and cinnamon stick to boiling. Reduce heat, cover and simmer until rice is tender, 25 to 30 minutes. Remove cinnamon stick. Add chocolate and flavorings. Stir until chocolate is melted. Thoroughly blend in egg yolks, one at a time.

In large mixing bowl, beat egg whites with cream of tartar at high speed until stiff but not dry, just until whites no longer slip when bowl is tilted. Gently, but thoroughly, fold chocolate mixture into whites. Pour into 8 dessert dishes. Serve warm or cover and chill before serving. Garnish with whipped cream.

Mrs. Albert Whited, Altoona

CRANBERRY DELIGHT

Dissolve 1 3-oz. package raspberry gelatin and 1 3-oz. package lemon gelatin as directed on packages. Chill until slightly thickened. Then fold in the following:

2 c. ground cranberries
1 1/2 c. sugar
3/4 c. crushed, drained pineapple
1 c. chopped nuts
2 c. celery chopped
1 2/3 c. seedless white grapes

Chill and serve.

Mrs. Harold Kramer
Newmanstown

(Turn to Page B8)

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Unusual dishes

(Continued from Page B6)

GREEN PEPPER WITH SPINACH STUFFING

4 to 6 large green peppers
2 pkg. frozen chopped spinach
2 medium-sized onions, chopped
6 slices white bread, crusts removed, soaked and crumbled in
1/4 c. milk
1/2 to 1 t. salt
1/4 t. pepper
1 egg
1 3-oz. pkg cream cheese
1/2 c. Parmesan cheese, grated
1/2 c. Swiss cheese, grated

Parboil pepper for 5 minutes. Drain well, cut in half length wise. Parboil spinach and drain. Saute onion in oil until tender. Add drained spinach and stir together for a few minutes. Mix together with all other ingredients. Fill parboiled pepper and bake in a buttered dish for 20 minutes at 350 degrees.

Mrs. Charles Biehl

ICE CREAM SHADOW CAKE

1 bought large angel food cake ring
2 pints chocolate ice cream
1 pint heavy cream, whipped and sweetened
chocolate sauce

Cut angel cake in 3 layers. Spread 1 pint ice cream, softened, between each layer. Spread whipped cream on top and sides of cake; freeze.

When ready to serve, remove from freezer, and dribble cooled chocolate sauce over top and sides of cake. Cut in wedges to serve. Serves 12.

Mrs. Aaron Miller
R1 Harrisburg

ORIENTAL LAMBURGERS

2 lbs. ground lamb shoulder
1 clove garlic, chopped fine
1 1/2 t. salt
1 t. pepper
3 T. shelled pine nuts
1/4 c. chopped parsley
1 egg
8 slices bacon

Mix the lamb with garlic, salt, pepepr, pine nuts and parsley. Add egg, slightly beaten and mix well. Form into round patties.

Wrap each patty with a slice of bacon and secure with a small skewer or wooden pick.

Broil slowly and turn so that lamb is browned on both sides and cooked through but with a tinge of pink in the middle.

Serve lamburgers with mustard or with your favorite barbecue sauce.

Betty Raleigh, Baltimore, Md.

Beverage sparkles with holiday spirit

Christmas is a time of sparkling celebrations, family gatherings and sizzling evenings. This year, treat your friends and family to the season's most scrumptious beverage.

The snappy Winter Punch blends spirits and spices with bubbling Ginger Ale — a holiday knock-out that will set your guests aglow.

WINTER PUNCH

4 qts. cranapple juice
4 cinnamon sticks
1 tsp. whole cloves
1 qt. Canada Dry Ginger Ale
2½ c. vodka

Place cinnamon and cloves in cheese cloth and heat with cranapple juice in large sauce pan, simmer 5 minutes.

Remove from heat and cool — remove spice bag. Pour into punch bowl, add vodka, and ginger ale. Float block of ice. Surround punch bowl with holly.

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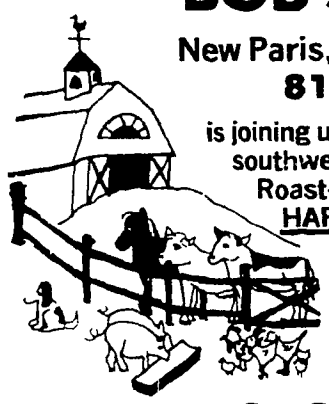

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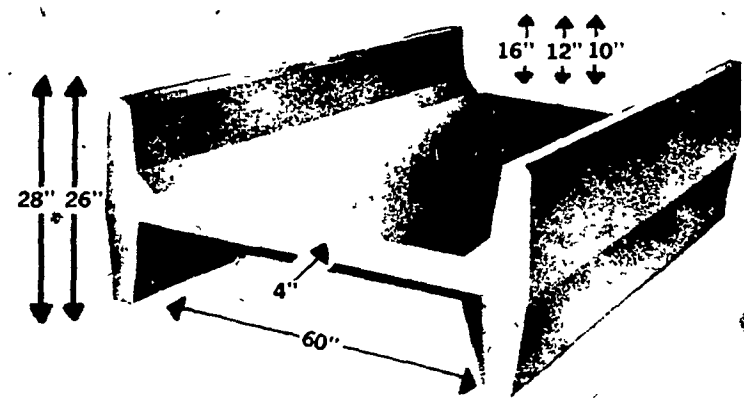

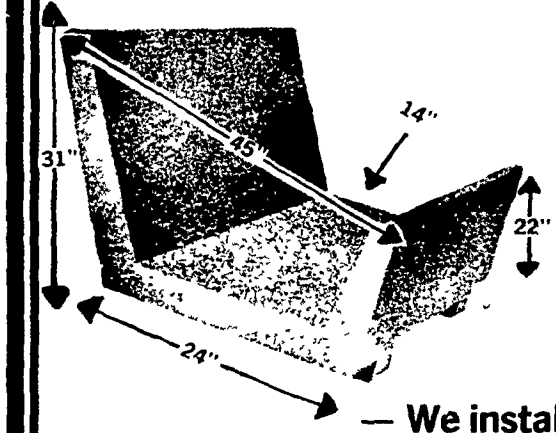

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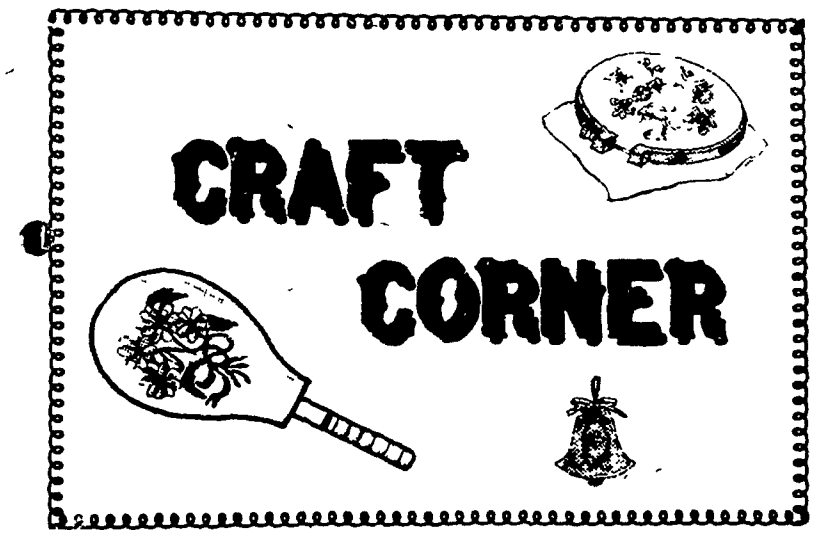


Holiday planters under glass

Growing, living plants make wonderful gifts for the holidays. They're especially lovely in clear glass planters with sand designs around the sides.

Sand designs are easier to make than you might guess. You simply pour different colors of sand into the planter, and then use a knitting needle, spoon or paintbrush to turn the colored layers into pictures or exotic designs.

Sand art planters can house a cactus garden, tiny terrarium plants, or cuttings from plants you already own. When you use red and green sand, your planters become festive — and even more perfect for the holidays.

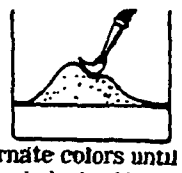
Here are directions for holiday "planters under glass:"

MATERIALS: Clear glass planter and plants; charcoal, pebbles, and soil; knitting needle, spoon and paintbrush for sand designs; tongs for handling the plants; colored sand from craft, garden, or aquarium supply shops. Suggested colors for holiday planters are red and green.

EASY SAND ART LAYERS: 1. Spoon one color of sand into the planter.

2. Brush stray particles of sand, if any, down from the sides of the planter.

3. Spoon in another color of sand. Again, brush stray particles of sand down from the sides.



4. Alternate colors until sand art layers reach desired height.

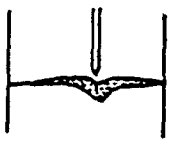
SAND ART DESIGNS: 1. Spoon two or more layers of colored sand into the planter.

2. Holding the knitting needle against the glass, push down through the layers of colored sand.

3. Pull needle away from the edge; lift straight out of the planter.

4. Following steps 2 and 3, make designs all around the planter.

5. Add more layers of colored sand and more designs as desired.



SAND ART PICTURES: 1. Spoon mounds of dark sand, one at a time, into the planter to form "mountains."

2. Spoon blue sand over the mountains to form "sky."

3. Flatten the sky with a paintbrush; spoon in white sand; poke through white sand with knitting needle to form a "bird."

4. Cover the bird with more blue sand until picture is desired height.

PLANTING: 1. Spoon a layer of pebbles over sand design.

2. Add charcoal over pebbles.

3. Add soil over charcoal.

4. Make a hole in the soil for each plant.

5. Holding plant with tongs, gently shake excess soil from the roots.

6. Insert plant into soil. Add extra soil around the roots.

PLANT CARE: 1. Add a small amount of water to the planter as needed.

2. Use only enough water to penetrate the soil and not saturate the sand art designs. If sand designs get wet, wait until they dry out before watering plant again.

How to buy a poinsettia

LANCASTER — If you plan to give someone—or yourself—a poinsettia for Christmas, here are some tips from James J. McKeehen, Extension Agricultural agent.

Firs of all, a healthy poinsettia is easy to spot. It will have plenty of leaves—from the soil line to the bloom—and they will be standing out a a 90 degree angle from the stem. If the leaves hang down too much, the plant is not healthy.

Next, you should examine the blooms in the center of the poinsettia. The small yellow buttonsized flowers should be just opening. And the red bracts should be brightly colored but not too brilliant. The most brilliant blooms look prettier, but they may have already reached their peak, and may soon start to decline.

Your best guarantee of quality is to buy a plant from a reliable florist, nurseryman, or garden center. But if you look for a full plant with well-colored but not too brilliant blooms, your poinsettia will be a longer-lasting addition to the holiday season.

Enjoy a poinsettia this year.

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Jefferson 4-H holds Achievement Night

BAIR — The Jefferson Community 4-H Club held their annual Achievement Night on Tuesday, November 23, at the 4-H Center, in York.

Project trophies were awarded to the following members: Doug Margush, Kelly Krebs, Jeff Margush, Kim Laughman, Missy Panzer, John Wherley, Chelsea Trimmer, Greg Main, Chris Wherley, Christine Shive, Greg Bankert, Robin Shive, Cathy Shive, Hillary Fahey, Lori Main, Riva Trimmer, Mike Kann, Dave Kann, Steve Wherley, Vicki Panzer, Isabelle Lecrone, and Dana Doll.

Special Awards were given to Michele Bankert for leadership; Robin Shive, Rookie Girl, Steve Wherley, Rookie Boy; Outstanding Member for 1982 Christine Shive.

Top sales awards were also given for the following: cookie - Kelly Krebs; flower bulbs - Frank Lecrone; ham & cheese Chris Miller; subs -Downa Doll.

Roll call awards were given to Greg and Michele Bankert.

This is Sparky

This is a picture of Sparky, a Jack Russel terrier which was hit by a car and killed, recently. He belonged to 10-year-old Joseph Chonho of Martinsburg. When Joseph's mother wrote to us and told us what happened, we decided to run the picture so that other pet owners would find a lesson in this sad story: lots of pets need protection and though you can't watch them all the time, you can work with them and train them to stay away from the road. Once, in the homework assignment, Joseph described Sparky as "protective and loyal to his master. He jumps like he has springs in his legs. His name is Sparky because he is a little ball of fire."

Lehigh Co. holds Achievement night

ALLENTOWN — Many leaders and members throughout Lehigh County were recognized for their work at the annual 4-H Achievement Night, November 12, at the Schnecksville Grange.

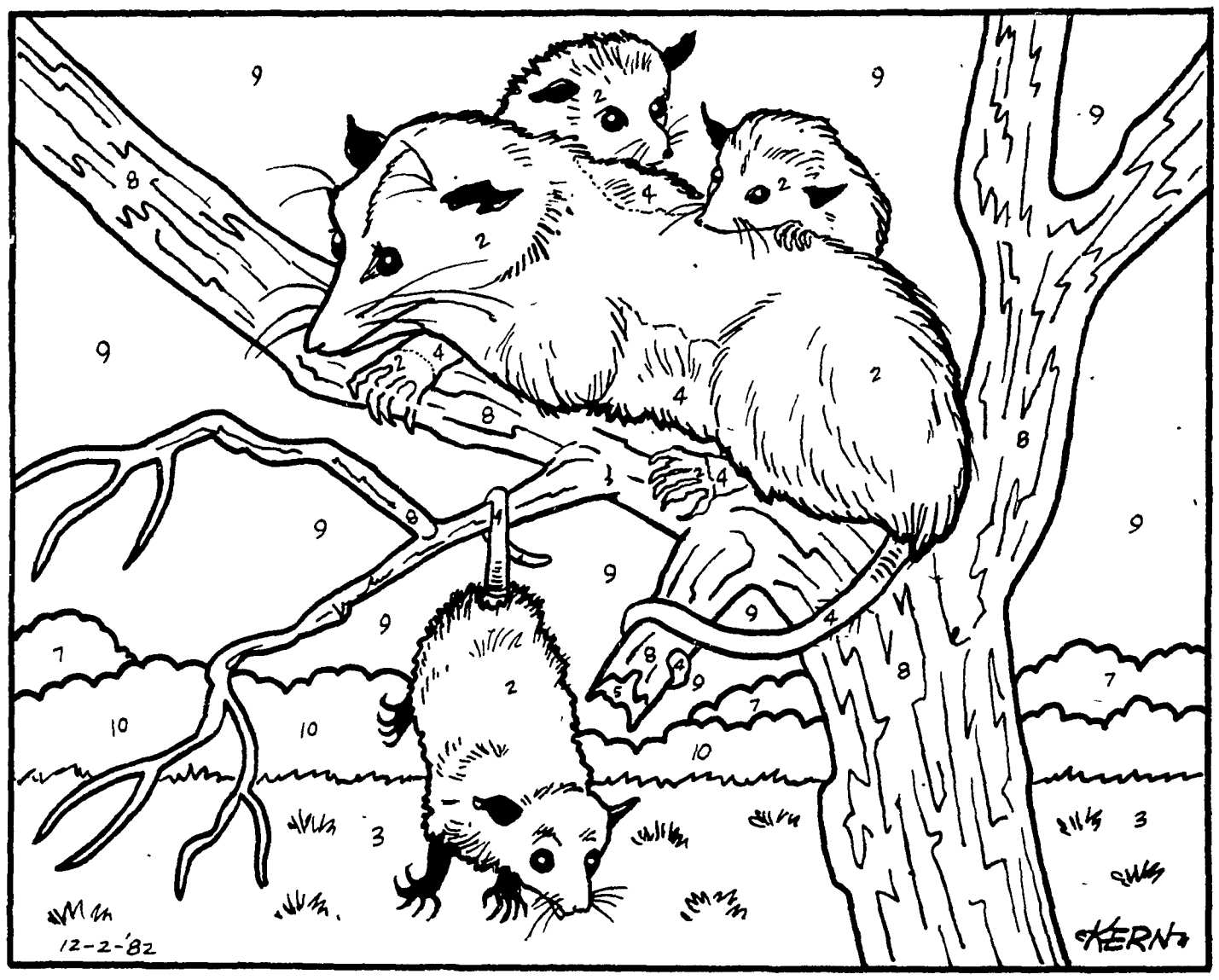
The following awards were given to volunteer 4-H leaders: 25 year leader, Mary Kemmerer, Macungie Home Ec. Club; 15 year leader, Ralph Urmy, Lehigh County 4-H Dairy Calf Club; 5 year leaders, Candice Chorney, Schnecksville Home Ec. Club; David Follweiler, Lynnport Community Club; Naomi Grim, Trexlertown Merry Stitchers Club; Mrs. Gerald Hartman, Foglesville Cleverettes Club; and Mark Lichtenwalner, Macungie A & M Club.

(Turn to Page B12)

COLOR THIS!

1.	BLACK	6.	ORANGE
2.	LT. GREY	7.	GREEN
3.	YELLOW	8.	LT. BROWN
4.	DK. GREY	9.	LT. BLUE
5.	BROWN	10.	LT. GREEN

THE OPOSSUM IS A SMALL PRIMITIVE ANIMAL RELATED TO THE KANGAROO. IT HAS A FURRY BODY AND A RATLIKE FACE. ITS TAIL IS HAIRLESS, AND SCALY. IT IS USED AS AN AID IN CLIMBING. THE NEWBORN OPOSSUMS ARE THE SIZE OF A KIDNEY BEAN. A TEASPOON CAN HOLD 18 NEWBORN. OUT OF THE MOTHERS POUCH THE YOUNG CLING TO THEIR MOTHER WITH THEIR TAILS



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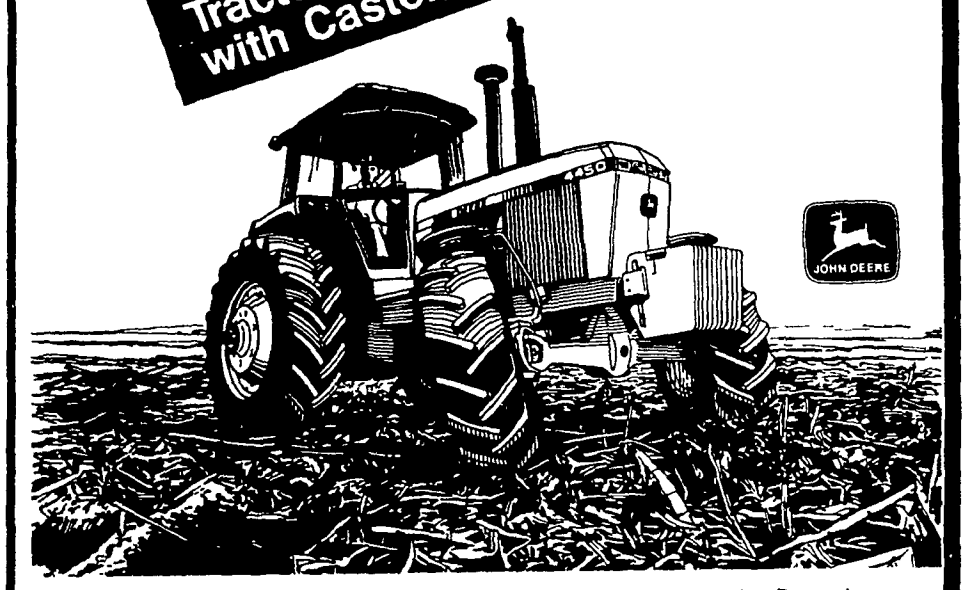
Rebates up to $4,600 with a WAIVER OFFER

On new John Deere 50 Series Tractors, 100 to 190 hp, with Caster/Action™ MFWD



Exclusive Caster/Action MFWD will give you a big boost in field or feedlot work efficiency. And these introductory cash rebates from John Deere give you a big saving on the model you choose.

Besides the MFWD rebate, there's more. If you buy ANY 50 Series 2WD or MFWD Tractor during this December and pay cash, finance wherever you choose, or finance with Deere without waiver, you qualify for the additional cash rebate as listed. Or you can have John Deere finance charges waived to March 1, 1983.*

Model	Cash Rebate for C/A MFWD	Dec. '82 Cash Rebate In Lieu of Waiver	Maximum Rebate
190-hp 4850	$4,000	$600	$4,600
165-hp 4650	4,000	550	4,550
140-hp 4450	4,000	450	4,450
120-hp 4250	4,000	450	4,450
100-hp 4050	4,000	400	4,400
85-hp 2950	n/a	250	250
75-hp 2750	n/a	200	200
65-hp 2550	n/a	200	200
55-hp 2350	n/a	200	200
45-hp 2150	n/a	150	150
40-hp 1250	n/a	150	150

*Availability of John Deere financing plans subject to approval of credit
These offers may be reduced in value or withdrawn at any time

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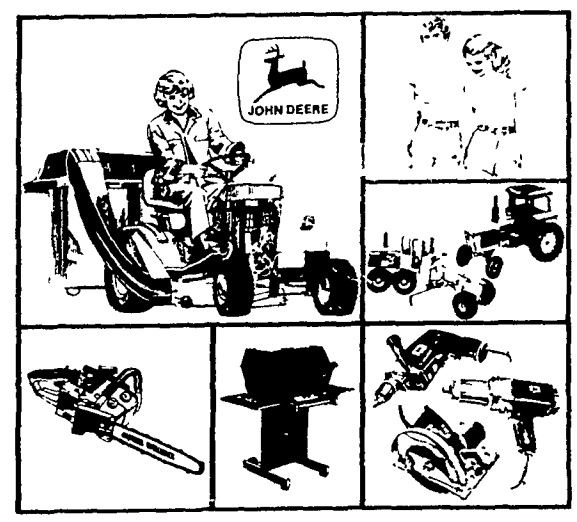

Lehigh Achievement

(Continued from Page B10)

Many awards were also given to Lehigh County's first year leaders.

A special award was given to Carson Frey, a leader in the Foglesville Cleverettes Club for Outstanding Photography Leader.

The National Awards medals were awarded to the following members: state winner, health - Judy Holmes, Poppin Pins Club; achievement, Jane Sikorski, Lehigh County 4-H Beef Club; beef, Jane Sikorski, Leghigh County 4-H Beef Club; leadership, Bonnie Wessner, Lehigh County 4-H Beef and Swine clubs; swine, Bonnie Wessner, Lehigh County 4-H Beef and Swine clubs.

County Fashion Revue winners included: Laura Bonnington, Amy Gauger, Valerie Hastings, and Judy Schneider.

The clubs of these two 4-H members were honored recently at the annual Lehigh County awards banquet. Left, is Robin Frey holding the Outstanding Home Ec. Club award and representing the Fogelsville Cleverettes; and right, is Cheryl Wessner with the Outstanding Ag Club award, representing the Lehigh Co. 4-H Swine Club

The Friend in 4-H Award, given to an organization who helps to support 4-H in Lehigh County, went to the Lehigh County Farmers' Association.

Lehigh County 4-H leadership awards were awarded to Tanya Hansut, Neffs 4-H Cloverettes Club and Mike Haas, Northern Lehigh County 4-H Horse and Pony Club.

Outstanding Club Awards went to the Foglesville 4-H Cleverettes, the Lehigh County 4-H Swine Club and the Lynnport Community Club.

The Friend of 4-H award, given to an organization who helps support 4-H in Lehigh County was given to the Lehigh County Farmers' Association, at the annual 4-H banquet at the Schnecksville Grange Hall. Pictured are Frances Lichtenwalner and Bruce Dietrich from the Lehigh County Farmers' Assn. and Kathy Listwak, 4-H coordinator.

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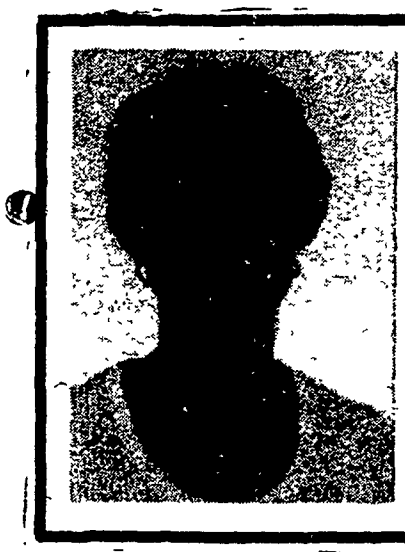


On being a farm wife - And other hazards

Joyce Bupp

Seems it can't be said often enough: there may be more beautiful places to live than right here in southeastern Pennsylvania - but it would be hard to convince most of us.

From the white purity of January freshly-fallen snow to the dramatic fury of a sudden roaring July thunderburst, from April's softness in shades of unfurling greens to October's dazzling foliage colors, we truly enjoy a buffet of seasonal scenic blessings.

At the bottom line of that beauty lies one of our most precious natural resources — our land.

It's both a matter of great local pride, and the secret of our agricultural efficiency, that our mid-Atlantic soils are highly productive. Our harvests rival the yields of Iowa's six-foot-deep bottomground and California's lush, but irrigated, "salad bowl" valleys.

But experts say that some of our rich, but shallow, soil is in trouble. The voices of warning come from soil conservationists, who cite statistics that show we're losing some topsoils, those with no erosion control treatments, at the rate of some 17 tons per acre per year, four times the acceptable limit, or as much as 27 million tons annually.

That's scary.

Ironically, it was a fish, or rather fishes, that got other environmentalists also concerned about the problem. Over the past few decades, fish species in the Chesapeake Bay have been changing, with fresh water types declining, while salt water species landings boomed upward.

Marine specialists began a study, fully expecting to prove that agricultural herbicides were at the root of the killing of the bay grasses, a base part of the delicate estuarial balance.

What they found instead was damage, largely reversible damage, by sedimentation and pollution of sewages, heavy industrial metals, and soil runoff, not herbicides.

Also confirmed in other detailed conservation studies was a problem that anti-erosion farmers had been grumbling about for years: some cropground renters care not whether land they rent is tilled in keeping with good conservation practices. If it's easier, and more profitable, to fill a great sloping hillside with corn or soybeans, and not let grass strips or sod waterways slow soil runoff, they do so, and let someone in the future farm across the gullys.

Techniques to control erosion must be engineered properly, by experienced personnel, to do the job correctly. And that, like everything else, takes money.

Money's scarce. In fact, soil conservation budgets have been axed, and what funding is left will largely be diverted to target areas, or agricultural areas with the greatest problems of erosion, as determined by Washington decision makers.

Conservationists in our area are working hard to have the lower Susquehanna watershed of the Chesapeake, dubbed the Mason-Dixon Erosion Control Area, targeted for some of those diminshing funds.

When we're spending billions and billions on defense, 26 billion alone for the proposed MX missle project, isn't it a shame conservationists must fight among themselves for a few million to protect the land that feeds us so abundantly and cheaply?

If we lose our land, but save our necks, will Russia send us food aid?

Recognized for achievement in Chester County's 4-H Dairy program are, front left, Nancy Yarnall county herdsman and state blue form winner, and Betsy Wollaston, round-up winner in Jerseys and club achievement; back row, Richard Hoopes, leader; Charlie Wollaston, leader, and Tom Dowling, Extension agent.

Chester Co. recognizes 4-H achievements

WEST CHESTER — The annual Chester County 4-H Dairy Awards Banquet was held recently in Guthriesville to recognize the achievements of several outstanding members.

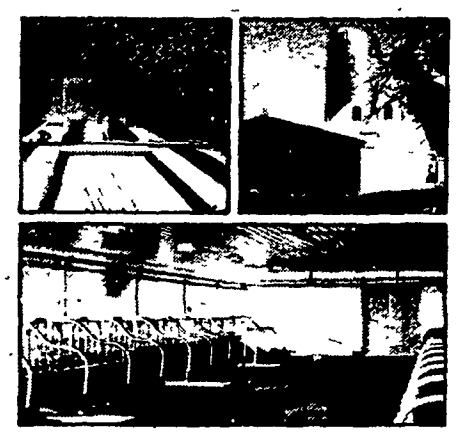
Award categories included breed and fitting and showmanship winners from this summer's 4-H dairy round-up, dairy judging, and dairy bowl teams, herd production, individual cow production, dairy herdsman, club achievement and county achievement winners.

Among those 4-H'ers receiving special recognition was Glenn Stoltzfus of Morgantown, who judged with the state 4-H dairy judging team in the National Contest in Wisconsin. Glenn also was the recipient of the County Herd Production Award.

Cindy Hohl of Morgantown had the high cow in Holstein milk production while Helen McCahon of Downingtown won that award for Jersey milk production.

Nancy Yarnall of Oxford was this year's recipient of the County Herdsman Award.

New Insolare Panels give you the right reasons to put up that new building...now!



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4 Get a superior building that never needs painting.

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So invest in an Insolare Panel building now, and reap the benefits for years.

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- Uniform, straight strong and tight-fitting
- Aluminum exterior requires no painting
- Perfect for hogs or dairy

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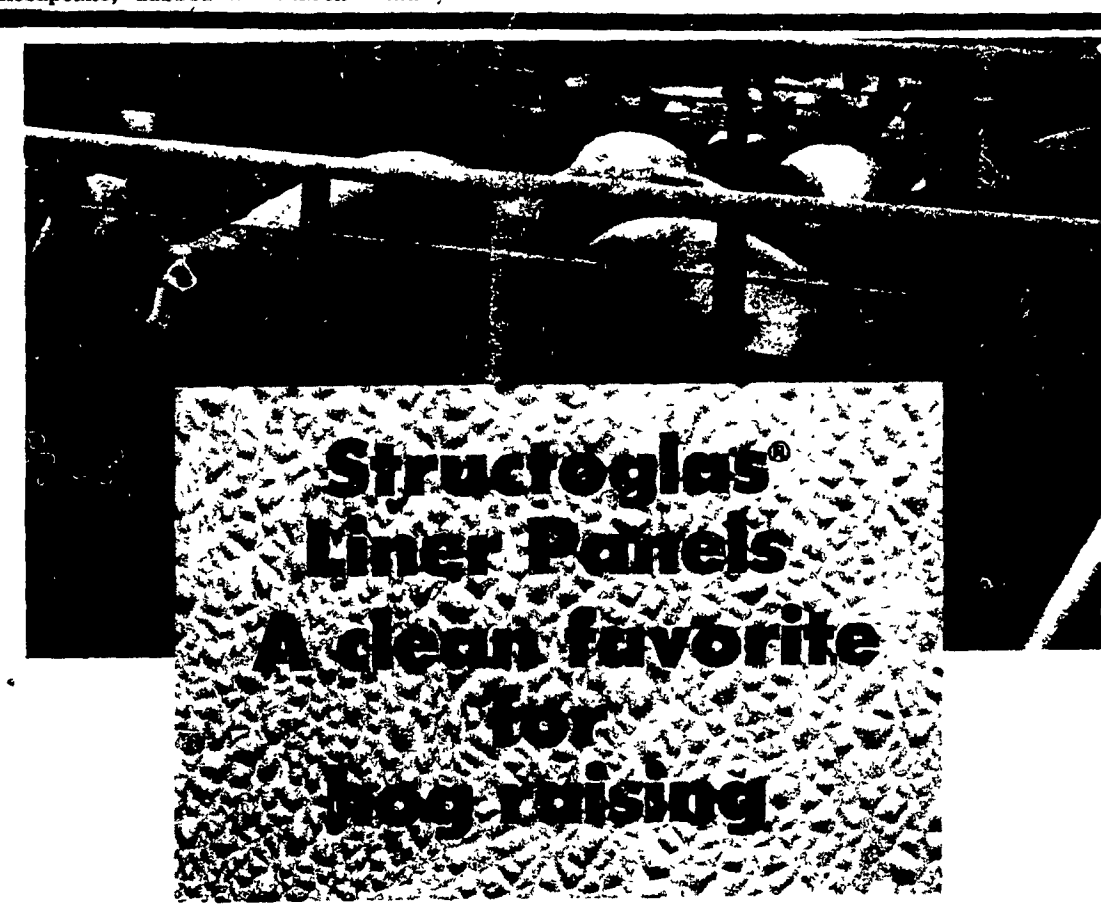

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Ladies Have You Heard?

By Doris Thomas

Lancaster Extension Home Economist

HOMEMADE GIFT WRAP

Create your own gift wrap, and give your gifts an extra personal touch this holiday season. Here are some suggestions:

For a seamstress' gift, sew fabric scraps together to design a patchwork wrapping and use a tape measure as a ribbon.

Wrap a traveler's gift in a colorful road map.

Use comic sections from the Sunday paper to wrap gifts for children.

The sports section of the newspaper can serve as gift wrap for an athlete.

For a earthy look, try brown paper bags. Decorate with leaves, pine cones or dried plants or nuts.

Plain construction paper, shelf paper or white freezer paper can be decorated and used as wrapping paper. String pulling is a very ancient method of decorating paper. Dip about 24 inches of string in poster paint, lay it in swirls and loops on the paper. Lay another piece of paper over the coiled string and pull the string out in one continuous motion.

If you're the kind of person who really likes to get your hands into a project, dip the palm of your hand in poster paint and make hand-prints all over the plain paper.

HOME-BAKED COOKIES

Did you ever bring out a tin of home-baked Christmas cookies and offer them to your guests only to find they'd gotten as limp as a wet dish towel?

If so, you're not alone. Because time spent baking cookies is considerable, protect your investment by storing cookies properly so they'll stay as delicious as they're meant to be.

Cool all cookies completely before storing. Don't overlap or stack cookies until they're fully cooled.

Store soft cookies separately from crisp cookies. Put the soft ones in a tightly covered container. The crisp ones keep best in a container with a loose cover.

If crisp cookies soften, place them on a baking sheep and pop them into a 325° oven for 3-5 minutes.

If soft cookies dry out, try the same strategy you use with hard brown sugar – place a slice of apple, or orange or bread into the container and cover tightly.

USDA issues Nov. sign-up for crops

WASHINGTON, D.C. — During the current signup for the 1983 farm programs, farmers so far have enrolled 798,000 base acres under the upland cotton program, 14.7 million under the feed grain program and 18.0 million under the wheat program, according to figures released recently by the U. S. Department of Agriculture.

Everett Rank, Administrator of USDA's Agricultural Stabilization and Conservation Service, said the signup, which continues through March 31, is required before farmers are eligible for program benefits such as commodity loans, target price protection, land diversion payments and the grain reserve.

At the time they sign up, producers may request an advance of 50 percent of their projected deficiency payments and 50 percent of their land diversion payments.

Base acreage on which advance deficiency payments have been requested, to date, totals 548,000 acres under the upland cotton program, 10.4 million under the feed grain program and 13.5 million under the wheat program.

Base acreage on which advance diversion payments have been requested, to date, totals 548,000 acres under the upland cotton program, 10.4 million under the feed grain program and 13.5 million under the wheat program.

Base acreage on which advance diversion payments have been requested totals 11.0 million acres under the feed grain program and 13.8 million under the wheat program. Cotton intended diverted acreage on which advance diversion payments have been requested totals 28,000 acres.

Farmers who sign up to participate in the upland cotton, feed grain and wheat programs agree to reduce their base acreage of these commodities by at least 20 percent. The acreage taken out of production will be devoted to a conservation use, Rank said.

The next signup report will be issued the first week of January.

In other USDA news, Ranck announced a lower CCC loan rate.

Commodity and farm storage loans disbursed in December by the U.S. Department of Agriculture's Commodity Credit Corporation will carry a 9-1/8 percent interest rate, according to Rank.

The new rate, down from 9-3/4 percent, reflects the interest rate charged CCC by the U. S. Treasury in December, Rank said.

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14.9x38, 6 ply	$224.00
15.5x38, 6 ply	$220.72
16.9x34, 6 ply	$250.00
16.9x38, 6 ply	$275.00
18.4x38, 8 ply	$364.12
20.8x38, 8 ply	$495.00
20.8x34, 6 ply	$450.00
18.4x34, 6 ply	$289.00
18.4x34 8 ply	$325.00
16.9x30, 6 ply	$224.00
18.4x30, 6 ply	$262.00
14.9x28, 6 ply	$173.00
13.6x28, 4 ply	$140.00
16.9x28, 6 ply	$220.00

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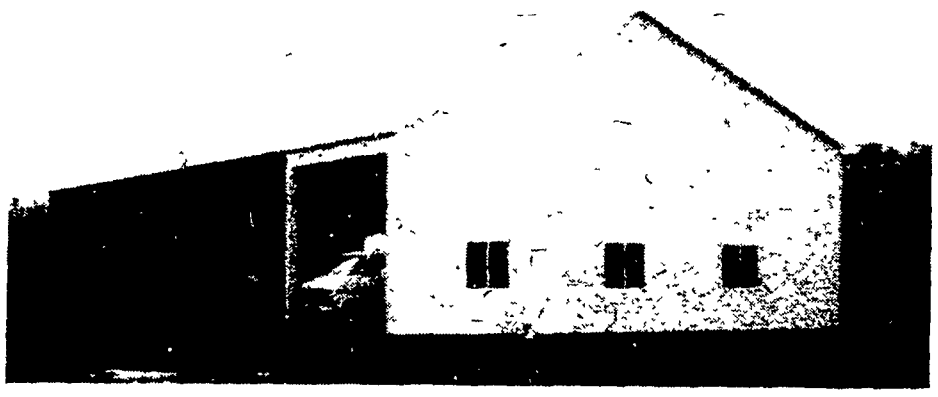

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Ida's Notebook

Ida Risser

Sometimes it seems as though our cars only know how to go one direction from home—and that direction *is northwest.*

Having three children graduate from Penn State and one now attending, helps to drive us that way.

Recently, we attended the Penn State-Pitt football game at State College. I'm not a football fan but I managed to dress in warm clothes and the weather cooperated by only drizzling during the game but raining hard during the long drive home.

Allen and I also managed to go to Perry County for a day last month to hunt turkey, and then later for deer. There were very few people in the state game lands that particular day. In fact, we saw no one else carrying a gun. A few cars traveled slowly along the dead-end road.

When we hunt, we go our separate ways and agree to meet at the car at a certain time. Well, let me tell you that I found the woods to be spooky. It was so very quiet until a wind storm arose in the afternoon. When a limb broke off of a nearby tree, it startled me so much that goose-bumps broke out all over me as I stood alone in the wilderness.

I followed a trail down the mountain side and only saw two black moths fluttering about. The climb back up again was a lot harder. Then I walked up a rough, muddy road to the top of the mountain and saw the largest red-orange spotted spider that I'd ever come across.

On my way back to the car, I surprised two ruffled grouse or maybe I should say they surprised me. At least it was nice to see a live animal in that vast area of forest land. On our way home we saw three doe in the fields along the main road. At least we know there is some life there.

Lancaster Holstein produces 280,000 lifetime

LANCASTER — Holstein breeder Rhelda Royer recently reported the death of her 16-year-old black and white Blossomelle Ivanhoe Jerry, who was recognized by the Holstein Association for exceptional lifetime production.

The Tidy Burke Jerry daughter produced 282,610 pounds of milk and 10,790 pounds of fat for a lifetime test average of 3.8 percent. Out of Gold Medal Dam Blossomelle Ivanhoe Merri, Royer's cow turned in her top record of 29,396 pounds of milk and 1,067 pounds of fat on a 365 day lactation.

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At their 9th annual banquet

N. Lebanon Young Farmers honor their own

ONO — The Ninth Annual Banquet of the Northern Lebanon Young Farmers' Association found members and families filling the Ono Fire Hall to its seams last Friday evening.

After a hearty meal and entertainment by Lebanon County Dairy Princess Tammy Tyson and a local father-daughter singing duo, advisor J.R. Bickel presented awards to the organization's top corn and hay growers.

First place in corn quality went to Larry Shuey of R2 Annville. Other placings in this division went to: Wesley Harding, second; Ed Funck, third; and Lamar Bollinger, fourth.

In the corn silage competition, Lamar Bollinger, R1 Fredericksburg, received the winning trophy. Second place went to Barry Donmoyer; third to Wilmer Weaver.

Tom Shuey of R2 Annville received a trophy for his first-place high moisture corn entry. Second place in this category went to Ed Funck.

Turning to the hay awards, Bickel presented Wilmer Weaver of R1 Fredericksburg with the championship trophy for haylage. LeRoy Geesaman had the second-place entry.

The top alfalfa award went to Fred Donmoyer of R2 Annville, with Barry Donmoyer claiming second place in this competition.

LeRoy Geesaman, R1 Fredericksburg, received a trophy for his first-place mixed hay entry. Second place in this division went to David Himmelberger.

In other business, 1982 Northern Lebanon Young Farmers President Clarence Mull passed his office's responsibilities to vice president Howard Gross. Serving with Gross as the 1983 officers are: Sven Bomberger, vice president; Dan Bausher, secretary; and Paul Maulfair, treasurer. — SM

This year's awards for top hay and corn production in the Northern Lebanon Young Farmers' Association competition went to: from left, Wilmer Weaver, R1 Fredericksburg, haylage; Fred Donmoyer, R2 Annville, alfalfa hay; LeRoy Geesaman, R1 Fredericksburg, mixed hay; Tom Shuey, R2 Annville, high moisture corn; Galen Bollinger, R1 Fredericksburg, accepting for son Lamar, corn silage; and Larry Shuey, R2 Annville, corn quality.

1982 Northern Lebanon Young Farmers' President Clarence Mull, right, receives a plaque of recognition from president-elect Howard Gross. Gross, of R6 Lebanon, will be serving a one-year term, also.

Getz duo tops ELCO YF competition

SCHAEFFERSTOWN — Raymond and Marlin Getz, father and son Holstein team from Richland, were named Outstanding Young Farmers at the annual banquet of the ELCO YF Chapter on Tuesday night at the Schaefferstown Fire Hall.

On their way to the coveted chapter title, the Getz duo captured four of the top dairy production awards presented by advisor Gerald L. Strickler.

Among the Getz' dairy awards:

Butterfat production for two-year-old — 787 lbs.; butterfat production for three-year-old — 871 lbs.; and milk and fat production for four-year-old — 26,164 lbs. and 968 lbs.

Other top winners in the annual dairy and crop production competition conducted among chapter members were:

Willow Maple Farms — milk production for two-year-old, 21,316 lbs.; aged cow milk production, 29,108 lbs.

Kline Springs Farm — milk production for three-year-old, 23,340 lbs.

Kirby L. Horst — fat production for aged cow, 964 lbs.; corn yield, 234.67 bushels; and greatest herd average milk increase, 1,111 lbs.

Herman J. Sauter — corn quality and haylage.

John R. Moyer — corn silage, 26.53 TDN tons per acre.

Malcolm Sonnen — hay quality, 58.83 TDN.

Second and third-place finishers, listed in that order, in the production categories include:

Milk, two years — Kirby Horst and Getz family; three years — Getz family and Sonnen Acres; four years — Willow Maple Farms and Kirby Horst; aged — Getz family and Kirby Horst.

Fat, two years — Willow Maple and Kirby Horst; three years — Horst and Sonnen Acres; four years — Horst and Sonnen Acres; aged — Sonnen Acres and Kline Springs.

Haylage — Malcolm Sonnen and Willow Maple; corn silage — Leon Kline and Raymond Weaver; hay quality — Raymond Weaver and John R. Moyer.

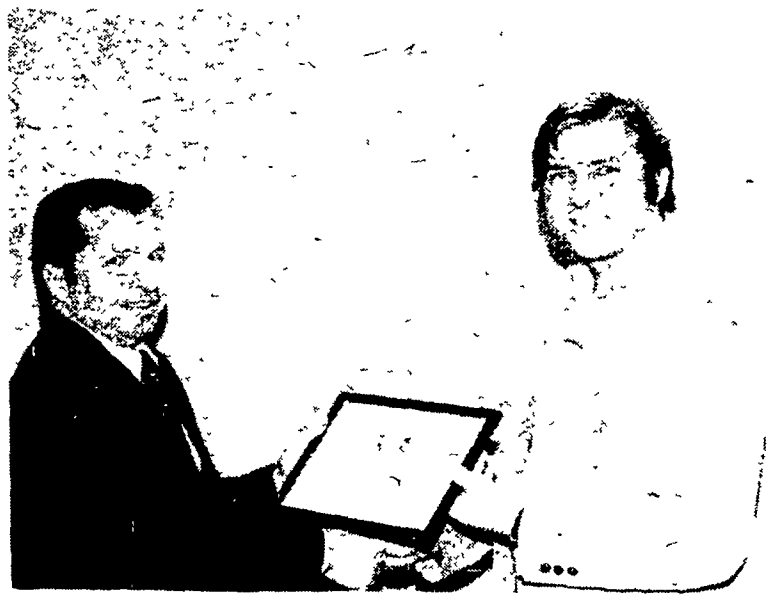
Corn Yield, second through fifth - - Max Sonnen, Willow Maple, Raymond Weaver and Paul M. Sonnen; Corn Quality - Raymond Weaver, Paul Sonnen, Willow Maple and Malcolm Sonnen.

Also honored at the banquet, attended by some 150 members, families and guests, was Roger Heller, who was named the Chapter's Honorary Farmer.

Speaker for the evening was Carl Graybill, Education Specialist for the Pa. Game Commission. He discussed the protection of endangered species and showed a film on the last Bald Eagle refuge located in Alaska.

Also taking part in the program were Chapter President Donald Bollinger, Kenneth R. Good, school superintendent; and Harvey Smith, area consultant.—DA

Flanking advisor Gerald Strickler are ELCO Outstanding Young Farmers for 1982 Marlin, left, and Raymond Getz, who also won four top dairy awards.



ELCO Young Farmer president Donald Bollinger, left, presents Honorary YF Certificate to Roger Heller.

Dairy award winners at ELCO YF Banquet include, from the left, Kirby L. Horst, Harold G. Bollinger, of Willow Maple Farms, and Leon Kline, of Kline Springs.

Among crop production winners in annual ELCO YF competition were, from the left, Herman J. Sauter, John R. Moyer and Malcolm Sonnen.

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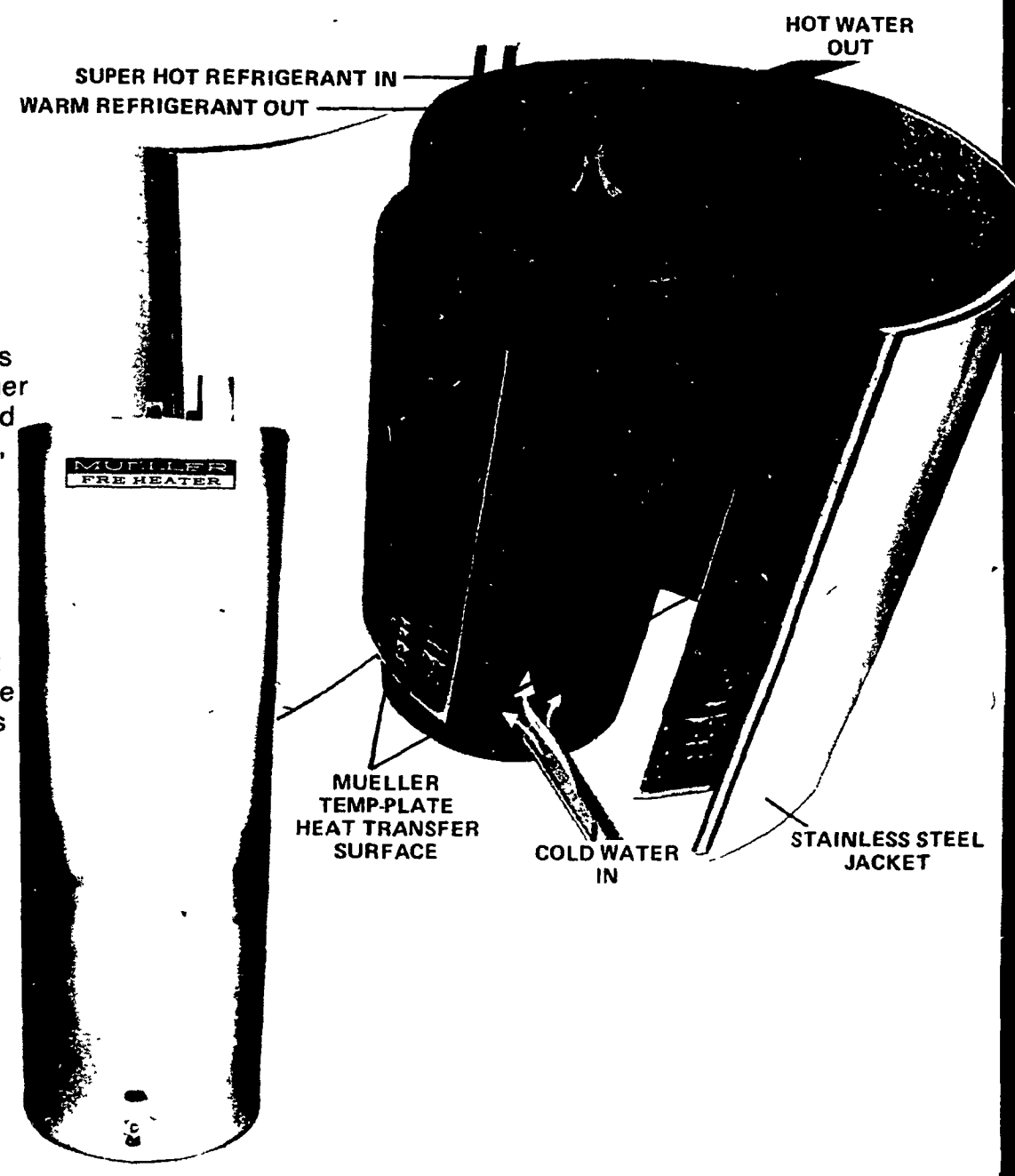

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Farm Women Societies

Lancaster Co Society 6

Lancaster Society 6 participated in a carry-in Christmas dinner at the Elizabethtown Church of the Brethren.

Guest speaker Robert Nolt told the members how he and his wife used to grow popcorn and flavor it.

Receiving pins in recognition of recent birthdays were: Esther Frey, 90; and Martha Eshleman, 80.

The next meeting will be held at the home of Martin Spangler, Elizabethtown.

Lancaster Co. Society 10

Lancaster Farm Women 10 held their Christmas party at the home of Mrs. Robert Cox.

Seven members received pins honoring their age 80 or over birthdays.

The next meeting will be held Jan. 8 at the home of Mrs. John McGrann, New Holland Pike.

Lancaster Co. Society 14

Lancaster Farm Women 14 met for a Christmas banquet at the Historic Strasburg Inn, Dec. 3.

New president Clara Rohrer presented a gift to outgoing president Miriam Leaman for her outstanding service.

Hazel Ulrich and Larry Hershey both presented Christmas features to entertain the participants.

The next meeting will be an all-day sewing meeting at the home of Arlene Esbenshade, scheduled for Jan. 19.

Lancaster Co. Society 27

Lancaster Society 27 met at the Mennonite home for a large birthday celebration for the members there.

Entertainment was provided by Shirley Glick who showed slides and presented music, and by Ada and Beth Hershey, who presented a piano duet.

Members received their 1983 calendar books and exchanged news for upcoming year.

Fulton grange 66

Fulton Grange 66 will be holding a special Christmas program at their Dec. 13 meeting at the Grange Hall in Oakryn.

The Reverend James E. Powl, paster of the First Presbyterian Church of Strasburg, will deliver a Christmas message and the junior choir of the Chestnut Level Presbyterian Church will present several Christmas songs.

Grange members will also be caroling, Saturday, Dec. 18, leaving from the Grange Hall at 7 p.m.

Berks Co. Society 8

Berks Farm Women 8 met at the home of Dorothy Hoffman on Nov. 23.

Handwriting analysis expert Shirley Nestler presented the program.

Society 8 plans a Christmas party for Dec. 18, at Lincoln's Restaurant.

The next meeting will be held Jan. 25 at the home of Barbara Kintzer.

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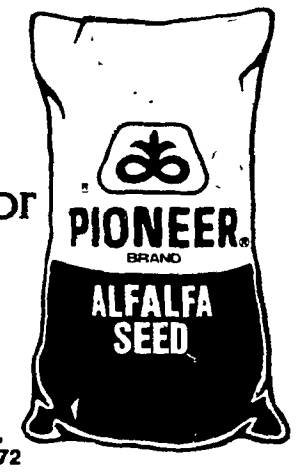

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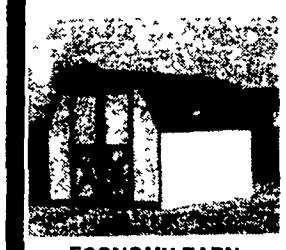
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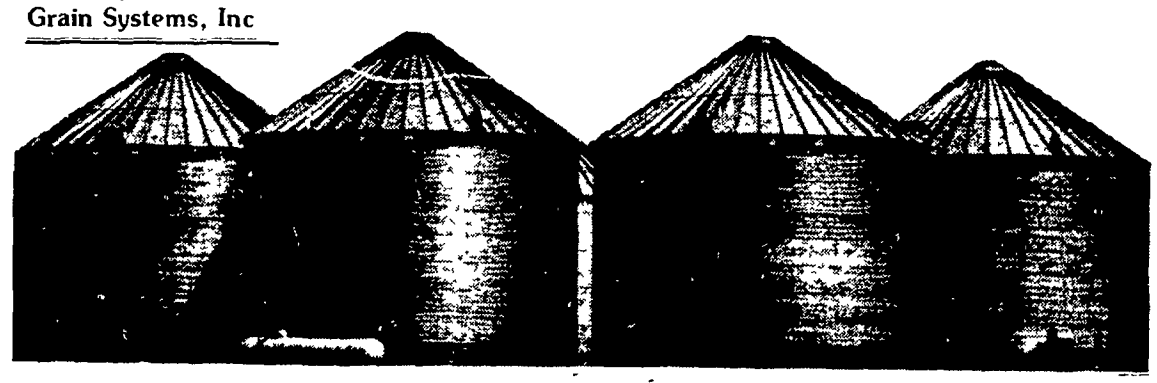

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F.W.S. Calendar

Saturday, Dec. 11

Lancaster Society 19 meets for a Christmas banquet at Family Time Restaurant in Ephrata

Lancaster Society 7 meets for a Christmas party

Lancaster Society 2 meets at the Danner Home for a covered dish supper

Lancaster Society 25 meets for a Christmas program by Steve and Dora Nolt

Lancaster Society 14 meets for a family Christmas party at the St. John Lutheran Church in Maytown

Lancaster Society 32 meets for a Christmas party

Monday, Dec. 13

Lancaster Society 30 meets for a Christmas brunch program and will also conduct a bread exchange

Tuesday, Dec. 14

Lancaster Society 22 meets for a Christmas program at St. Anne's Home in Columbia

Thursday, Dec. 16

Lancaster Society 28 meets with Mary Sweigart for "Creative fun with cookie dough"

Saturday, Dec. 18

Lanaster Society 18 meets with Hazel Ulrich for a Christmas party

Lancaster Society 3 meets with Dorothy Fry for a Christmas party

Lancaster Society 26 meets to entertain husbands at Groff's Restaurant and to hear speaker Melvin Horst

Lancaster Society 5 meets for a Christmas luncheon

PDA schedules mushroom recipe contest

HARRISBURG — The mystical, magical mushroom doesn't have to be a mystery to cooks anymore. Pennsylvanians can now share their mushroom cookery magic and possibly win a prize.

The Pennsylvania Department of Agriculture's Mushroom Marketing Program is sponsoring a mushroom recipe contest, January 19, 1983 in Strawberry Square, Third and Walnut Streets, Harrisburg. Prizes for the contest include $50 cash prize for first place, $25 gift certificate from I. Mishkin in Strawberry Square for second prize, and $20 and $10 gift certificates for third and fourth prizes good at any Strawberry Square merchant. All prize winners will also receive a gift package of canned mushroom products.

Recipes must contain a minimum 12 ounces of fresh mushrooms. Judging is based on ease of preparation, appeal, taste and appearance.

The contest is open to all Pennsylvania residents over 18 years of age without a professional food status. To enter, send a typewritten copy of your recipe to: "Mushrooms," Pennsylvania Department of Agriculture, Bureau of Markets, 2301 North Cameron Street, Harrisburg, PA 17110.

The recipe should be accompanied by a short biographical sketch of the contestant: accomplishments, hobbies, interests, etc. Only one recipe will be accepted from each contestant, and all recipe entries must be received by Dec. 22, to be eligible.

Ten contest finalists will be selected from all the recipes received by a panel of judges. These finalists will be notified of rules, regulations and procedures in advance of the final cook-off.

All recipes become the property of the Pennsylvania Department of Agriculture. Further information on the state mushroom recipe contest is available from the Bureau of Markets at (717) 787-4210.

Butler Show picks officers

BUTLER — Newly-elected Butler Farm Show, Inc. President, Robert Wick, Second St., Butler, has announced the names of the 1982-83 Executive Board.

The annual election took place at the November meeting. Serving as Vice President is Merlin "Dutch" Grabe, R4, Butler; David Steffler, Woodlawn Road, Butler will hold the position of Treasurer; and John Gray, of Mt. Chestnut, will serve as Secretary.

Treasurer Steffler reported that a sum of $714.01 was earned for the Muscular Dystrophy Association at the Wednesday night "Battle of the Bands" at the 1982 Butler Farm Show.

Events for the 1983 year will be: The Butler Farm Show Circus (date to be announced); 5th Annual Butler Farm Show Rodeo, tentatively scheduled for June 17 and 18; and the 35th Annual Butler Farm Show slated for August 8-13.

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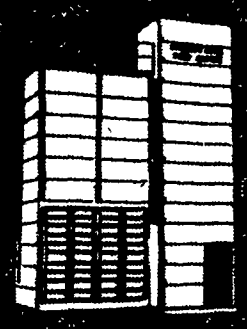

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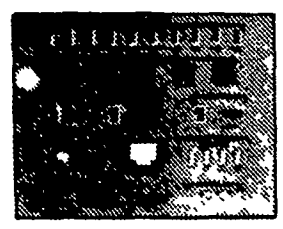

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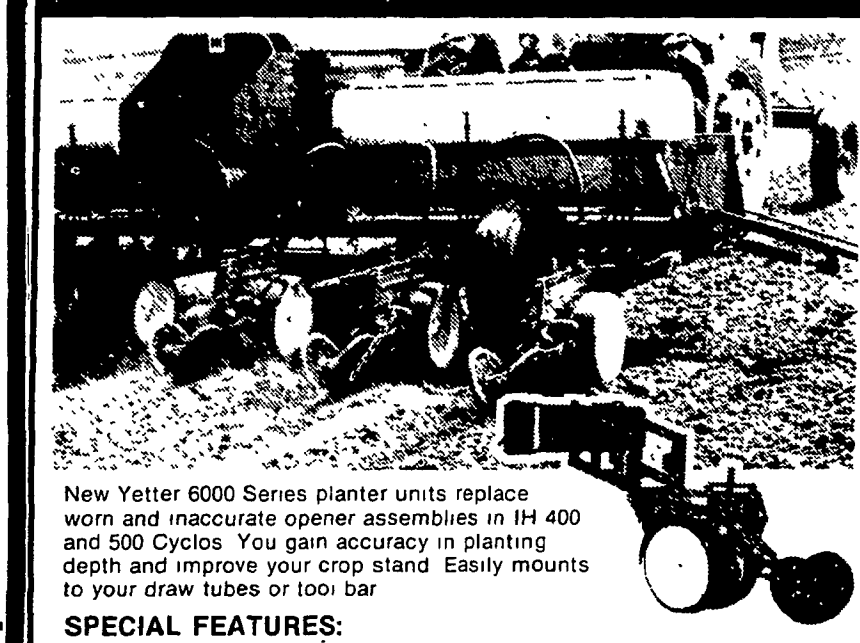

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SEE US AT THE NO TILL CONFERENCE DECEMBER 16

Yocums top Huntingdon Co. DHIA in butterfat

BY PATTY GROSS MOCK
Staff Correspondent

ALEXANDRIA — A Huntingdon County couple was one of many dairy farmers honored recently for outstanding achievement over the past year, at the Huntingdon County DHIA's annual banquet, Nov. 27, at the Juniata Valley Elementary School. Gregory and Nancy Yocum, won the John Staley Award for the highest butterfat gain for the year in the county.

The gain of 86 pounds of butterfat makes the Yocum's total butterfat 626 pounds with a milk production of 16,700 pounds.

the Yocum's were also recognized for the highest butterfat gain in the category of 0-50 cows of the regular tested herds.

Edwin Steach's herd had the highest butterfat gain in the 51-80 cows category. The 617 pounds includes a gain of 65 pounds along with 16,722 pounds milk production.

The award for the 81 cows and over with the highest butterfat gain was presented to E. James McMath. The increase was 76 pounds to total 596 pounds with milk production at 17,117.

Benjamin Reed was honored for a gain of 64 pounds, marking the herd on alternate test at 595 pounds and milk production of 15,146 pounds.

Another presentation for herds under owner sampler test was made to W.K. Hall & Son. The 7,744 pounds of milk production and 304 pounds of butterfat showed a gain of 69 pounds fat.

Greg and Nancy Yocum joined Edwin Steach as newcomers to the '600 Club.' The following farms achieved 600 or more pounds of fat on a rolling herd basis: Gerald McMath, 677 lbs.; Gillbrook Farms, 670 lbs.; Breezy Hollow Farm, 670 lbs.; Behrer Farm, 665 lbs.; Gibboney Farms, 663 lbs.; Howard and Nancy Wiggin, 660 lbs.; Sangrey Bothers, 654 lbs.; Sidney R. Ormasby, 643 lbs.; J. Frederick Kyper, 637 lbs.; State Correctional Institution, 630 lbs.; Glenn Peachy, 628 lbs.; Locust Lane Farm, 628 lbs.; John S. Kyper, 627 lbs.; Gregory and Nancy Yocum, 626 lbs.; Edwin Steach, 617 lbs.; Globe Run Farms, 612 lbs.; Willard J. Yoder, 604 lbs.; owner sampler herd - Benjamin Byler, 600 lbs.

Three dairy farms were honored as members of the 700 club by producing 700 or more pounds of fat. They were Branstetter Farms, 721 lbs.; Daland Farms, 715 lbs.; Evergreen Farm #3, 713 lbs.

Huntingdon County DHIA president Tom Eberle said 167 people attended the dinner.

This Christmas, give the whole loaf

LANCASTER — Do you try to come up with creative Christmas gift ideas, but just end up with half-baked notions?

If so, Chicago Metallic, manufacturers of quality bakeware since 1898, have a suggestion:

"This year for Christmas, give the whole loaf. In other words, bake something tantalizing and give both the baked delicacy and bakeware pan to that someone special on your holiday gift list."

Chicago Metallic has two lines of gourmet bakeware which can help you transform this novel gift idea into a "happy holiday bakefest."

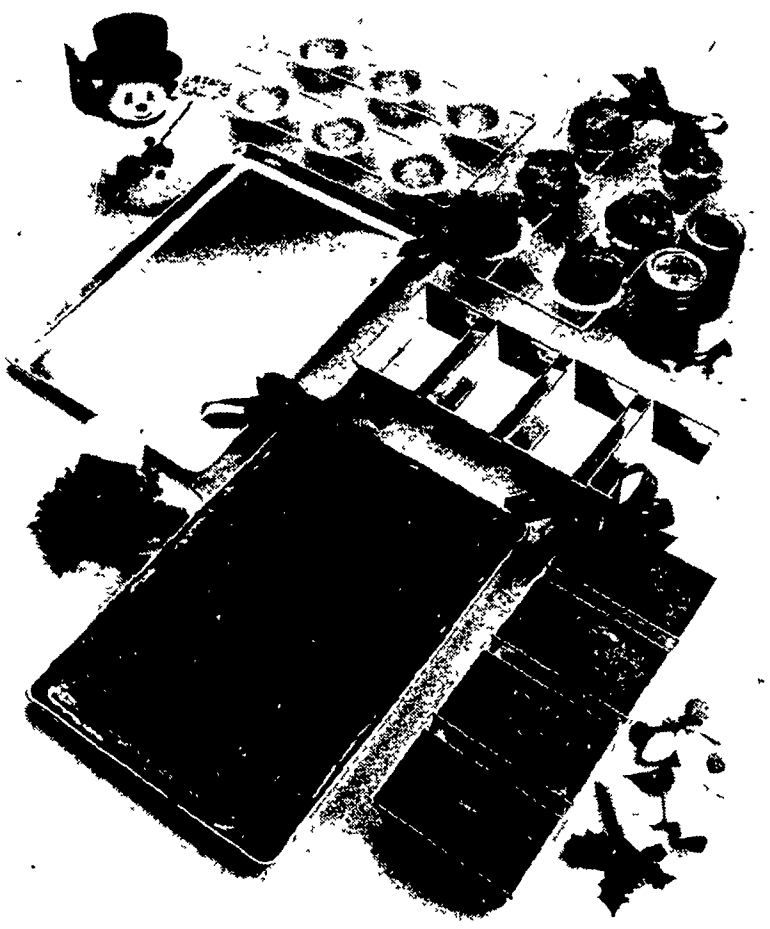
Village Baker is authentic, commercial-weight, tinned steel bakeware — the type of pans available only to professional bakers for eighty-four years. Now Chicago Metallic tinned steel bakeware is being offered to discriminating home bakers too.

Tinned steel bakeware possesses superior baking characteristics and is scientifically constructed and durable. Items range from $7 to $15.

Village Baker commercial-weight, tinned steel bakeware is available to consumers nationally wherever bakeware is sold, including gourmet and specialty shops and a large variety of department stores.

When you and your kitchen elves are busily preparing bakeware goodies for friends and family this Christmas season, it's important to remember that baking isn't only breads, pies, cookies and cakes (although they are sure to please). Baking is also that scrumptious glazed ham, a holiday turkey, a festive quiche or a delicious thick crust pizza (with all the trimmings, just like your Christmas tree).

So, this year, try something different: Bake it.



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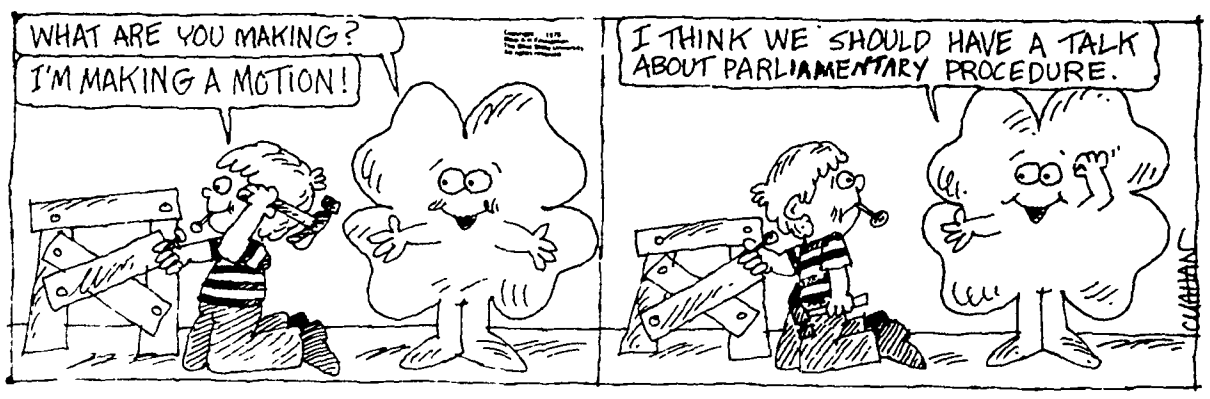

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717-263-4103

Davidsburg, PA
George N. Gross, Inc.
R.D. 2, Dover, PA
717-292-1673

Elizabethtown, PA
Messick Farm Equipment, Inc.
Rt. 283 - Rheem's Exit
717-367-1319

Gettysburg, PA
Yingling Implements
R.D. 9
717-359-4848

Greencastle, PA
Meyers Implement's Inc.
400 N. Antrim Way
P.O. Box 97
717-597-2176

Halifax, PA
Swelgard Bros.
R.D. 3, Box 13
717-896-3414

Hamburg, PA
Shartlesville Farm Service
R D 1, Box 170
215-488-1025

Honey Brook, PA
Dependable Motor Co
East Main Street
215-273-3131
215 273-3737

Honey Grove, PA
Norman D. Clark & Son, Inc
Honey Grove, PA
717-734-3682

Hughesville, PA
Farnsworth Farm Supplies, Inc
103 Cemetery Street
717-584-2106

Lancaster, PA
L.H. Brubaker, Inc.
350 Strasburg Pike
717-397-5179

Lebanon, PA
Evergreen Tractor Co., Inc
30 Evergreen Road
717-272-4641

Lititz, PA
Roy A. Brubaker
700 Woodcrest Av.
717-626-7766

Loysville, PA
Paul Shovers, Inc
Loysville, PA
717-789-3117

Lynnport, PA
Kermit K. Kistler, Inc.
Lynnport, PA
215 298-2011

Martinsburg, PA
Forshey s, Inc
110 Forshey St
814-793 3791

Mill Hall, PA
Paul A. Dotterer
R.D. 1
717-726-3471

Nazareth, PA
Edwards Farm Equipment
291 West Moorestown Rd
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New Holland, PA
A.B.C. Groff, Inc.
110 South Railroad
717-354 4191

New Park, PA
M&R Equipment Inc
P.O. Box 16
717-993-2511

Oley, PA
C.J. Wonsidler Bros.
R.D. 2
215-987-6257

Palm, PA
Wentz Farm Supplies, Inc.
Rt. 29
215-679-7164

Pitman, PA
Marlin W. Schreffler
Pitman, PA
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Ringtown Farm Equipment
Ringtown, PA
717-889-3184

Silverdale, PA
I.G Sales
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215 257-5135

Tamaqua, PA
Charles S Snyder, Inc
R.D 3
717-386-5945

West Chester, PA
M S Yearsley & Son
114-116 East Market Street
215-696-2990

West Grove, PA
S.G. Lewis & Son, Inc.
R.D. 2, Box 66
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Churchville, MD
Walter G. Coale, Inc
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301-734-7722

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Ag Ind Equipment Co., Inc
1207 Telegraph Rd.
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SPREADERS:
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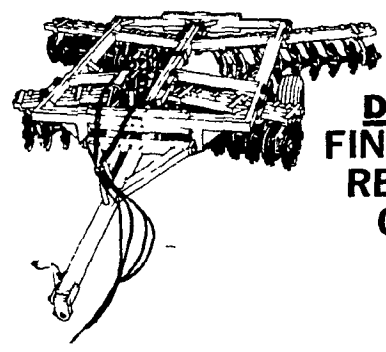
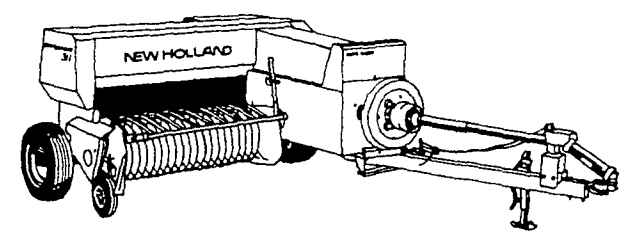
SEE YOUR NEAREST SNH DEALER FOR ALL THE DETAILS ON THESE PROGRAMS

LOADERS: WAIVER OF FINANCE TO 4/1/83 WITH INTERIM PAYMENT OR REBATES FOR CASH OF $350 TO $500

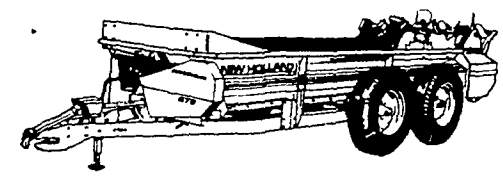


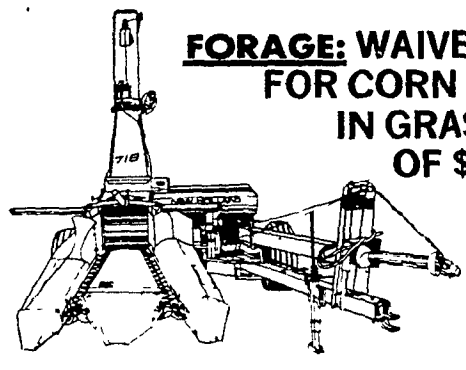
DISKS: WAIVER OF FINANCE TO 3/1/83 OR REBATES FOR CASH OF $250 TO $700

COMBINES: WAIVER OF FINANCE TO 8/1/83 FOR GRAIN AND 10/1/83 FOR CORN AND REBATES OF $5000

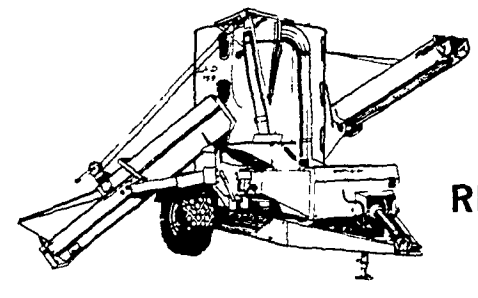


HAY TOOLS: WAIVER OF FINANCE TO 7/1/83 AND REBATES OF $50 TO $1400





FORAGE: WAIVER OF FINANCE TO 9/1/83 FOR CORN AND 6/1/83 FOR USE IN GRASS AND REBATES OF $200 TO $4200



SPREADERS / GRINDER-MIXERS: WAIVER OF FINANCE TO 4/1/83 OR REBATES OF 5% OF CASH PAID TO DEALER

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Wescosville, Pa.

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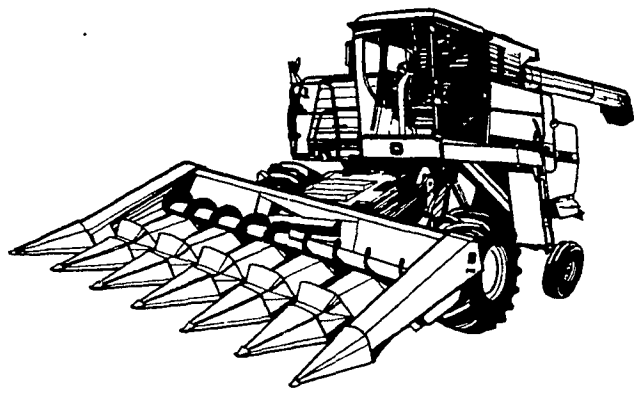

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1 - 1979 JD 6620 DIESEL..... Air/Low Hours
1 - 1977 JD 6600 DIESEL ..... Side Hill/Air
2 - 1975 JD 4400 DIESELS ..... Low Hours
2 - 1971 JD 6600 GAS ..... Reconditioned
• Choice of Heads •

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USED TRACTORS

1 - WHITE 4-150..... Low Hours
1 - JD 4430 D ..... With Cab
1 - WHITE 2-105 ..... 1280 Hours
1 - IH 100 HYDRO W/CAB..... 880 Hours
1 - JD 3020 G ..... With Loader
1 - WHITE 2-50 ..... 1180 Hours
• With White 1730 QA Loader

TILLAGE

1 - White 7 Btm. 18" Hyd. Adj. Plow
1 - Bush Hog 1436 12' Finishing Disk w/Buster Bar
1 - JD 6 Btm. 16" Hyd. Reset Plow
1 - IH 133 3 Pt. 4 Row Adj. Width Cultivator - Like New

MISCELLANEOUS

1 - Gehl Feed Wagon - Priced Right
1 - NH 258 Rake - Like New
1 - JD 7000 Planter - Nice
1 - JD 35 Harvester w/Head
1 - 1980 Ford ¾ Ton Pickup
1 - 1974 Dodge Van

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PRIORITY SERVICE CHECKLIST—TRACTORS

ENGINE

- ☐ Intake System (vacuum switch operation-intake hose condition and clamp tightness)
- ☐ Air filter
- ☐ Exhaust system
- ☐ Head gasket
- ☐ Oil leaks
- ☐ Engine idle speeds
- ☐ Fuel shut-off operation
- ☐ Valve lash adjustment
- ☐ Crankshaft damper runout and condition
- ☐ Inspect water pump weep hole for signs of coolant leakage
- ☐ Check water pump pulley fan wear
- ☐ Turbo inspection

FUEL SYSTEM

- ☐ Injection pump-timing
- ☐ Check mechanical-design aneroid adjustment (if equipped)
- ☐ Nozzles and lines
- ☐ Sediment bowl
- ☐ Transfer pump
- ☐ Tank and filters
- ☐ Fuel leaks
- ☐ Throttle lever friction disks
- ☐ Make power check

ELECTRICAL SYSTEM

- ☐ Generator/alternator charging
- ☐ Generator/alternator pulley
- ☐ Starter operation
- ☐ Battery (specific gravity)
- ☐ Battery cables/ends
- ☐ Wiring harness
- ☐ Lights
- ☐ Gauges/indicator lights
- ☐ Neutral start switch adjustment
- ☐ Air conditioner operation
- ☐ Check wiper motor operation and blade condition
- ☐ Check [illegible] operation
- ☐ Check [illegible] operation

POWER TRAIN

- ☐ Clutch operating PSI
- ☐ Clutch lube PSI
- ☐ PTO clutch and brake (PSI and operation)
- ☐ Clutch free-play
- ☐ U-joints and guards-4WD
- ☐ Front differential-4WD
- ☐ Final drives
- ☐ Axles-outer axle seal and bearing condition
- ☐ Leaks
- ☐ Differential lock/brake pedal adjustment
- ☐ Maintenance items:
  - ☐ transmission oil filter
  - ☐ clutch oil filter (4WD @ 200 hours)
  - ☐ hydraulic oil filter (4WD @ 600 hours)
  - ☐ lubricate transmission shift linkage (4WD)
  - ☐ front differential oil (30 series 4WD @ 1200 hours or yearly)
  - ☐ transmission/hydraulic oil (1200 hours)
  - ☐ transmission breather cap
  - ☐ transmission screen

STEERING AND BRAKES

- ☐ Steering [illegible]
- ☐ Steering valve
- ☐ Steering cylinder and steering hoses
- ☐ Brake operation
- ☐ Brake valves

HYDRAULIC SYSTEM

- ☐ Rockshaft [illegible] cycle time
- ☐ Draft [illegible]
- ☐ Selective valve operation/cycle time
- ☐ Main pump standard
- ☐ Main pump coupler
- ☐ Main pump quick disconnects
- ☐ Rockshaft valve check for external leaks
- ☐ Rockshaft control lever rod adjustment

- ☐ Load control arm extension adjustment
- ☐ Lines and clamps
- ☐ Leaks
- ☐ Manual bypass valve position (if equipped)

COOLING SYSTEM

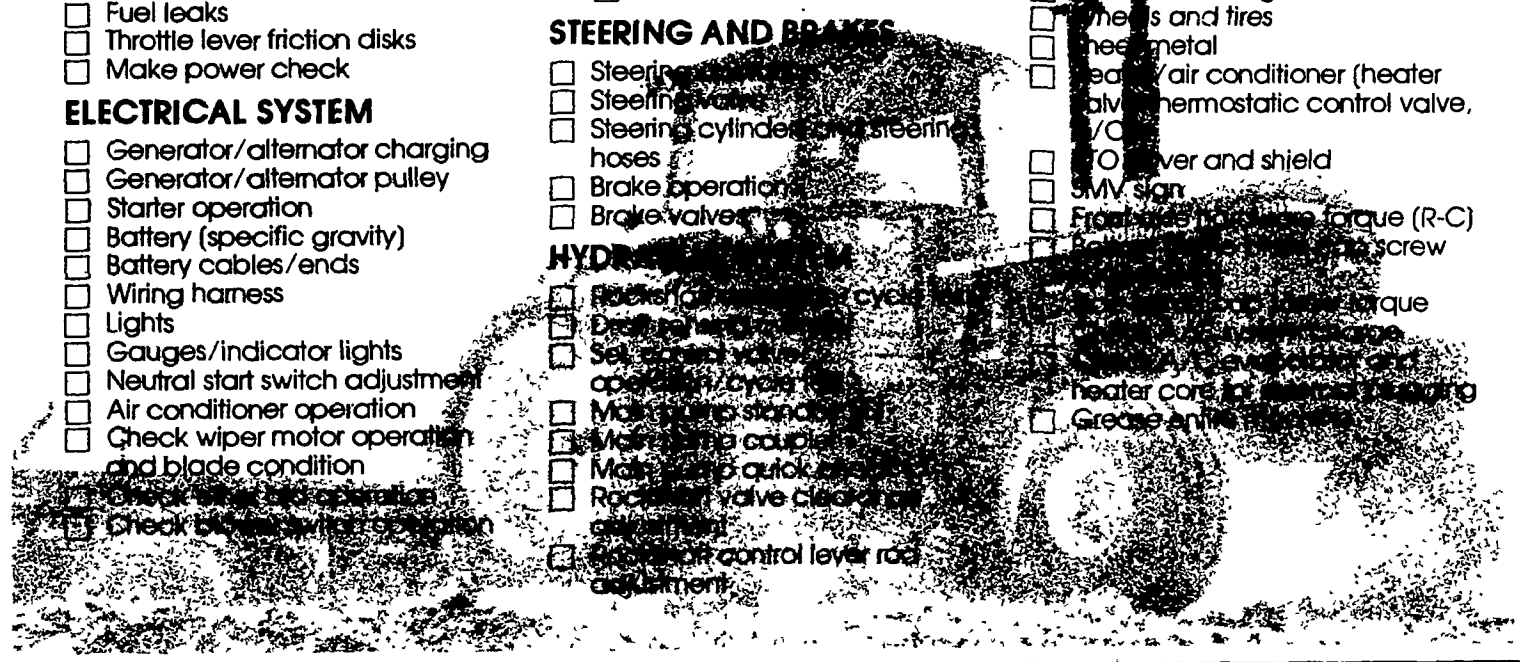
- ☐ Radiator
- ☐ Radiator cap(s)
- ☐ Fan belt
- ☐ Fan pulley
- ☐ Hoses
- ☐ Water pump shaft play
- ☐ Coolant leaks
- ☐ Coolant change
- ☐ Coolant conditioner filter change (if equipped)

OPERATOR STATION

- ☐ SGB mountings
- ☐ Seat operation
- ☐ SGB glass
- ☐ SGB filter condition
- ☐ SGB cleaner

MISCELLANEOUS

- ☐ Drawbar
- ☐ Frame and weights
- ☐ Wheels and tires
- ☐ Sheet metal
- ☐ Heat/air conditioner (heater valve, thermostatic control valve, A/C)
- ☐ PTO cover and shield
- ☐ SMV sign
- ☐ Front wheel hardware torque (R-C)
- ☐ [illegible] screw
- ☐ [illegible] torque
- ☐ [illegible]
- ☐ [illegible] heater core for [illegible]
- ☐ Grease [illegible]



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Lebanon Countians get hooked on fish farming

Three million gallons of water a day flow down through the 430-acre complex that makes up Arrowhead Springs Trout Hatchery in Lebanon County. Begun back in the 1940s by Lee and Betty Eck, the watershed was protected from development in order to safeguard the clean water supply.

As Ed Ludwig of Arrowhead Springs Trout Hatchery, Newmanstown, Lebanon County, rakes the last straggling leaves of fall from a screen connecting two trout-rearing ponds, a scare crow stands guard. In this case, however, crows aren't what this "waterways policeman" is attempting to frighten away, but herons, kingfishers, and racoons. Beneath the glassy pond surface swim 25,000 young trout — a gourmet's delight for Mother Nature's fish lovers.

Darlene Ludwig looks into the 52 F waters that fill the crystal-clean pools. "If you see trout swimming in water, you know it's good," she explains, noting that these fresh-water delicacies are "fussier than people."

BY SHEILA MILLER

NEWMANSTOWN — If Lebanon Countian Ed Ludwig tells you he's a farmer, you might be inclined to tell him "he's all wet." And well he might be, because Ludwig is a special kind of farmer. He's in the business of raising trout.

Ludwig's Arrowhead Springs Trout Hatchery is a "family farm" run by Ludwig, a retired insurance man, wife Darlene, a retired school district employee, and their son Michael, who holds a business degree from Kutztown State College. It was actually Michael who pulled his parents into the fish business two years ago when the previous owner decided to quit. Having lived next door to the hatchery for eight years, Michael had found summer employment there challenging and educational, during his high school and college years.

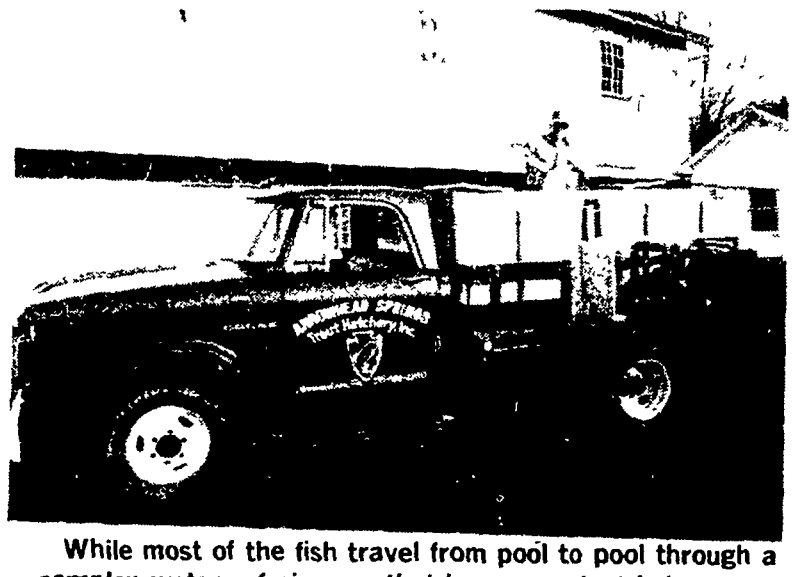
It was 1979 when the Ludwig's jumped into the trout-raising business with both feet, and both Ed and Darlene admit they learn something new about fish farming every day.

Each year, Arrowhead Spring raises 140,000 pounds of trout in their fast-flowing, on-stream pools and ponds. Exclusively raising Kamloop rainbow trout, the Ludwigs market most of their fish through a "fee-fishing" lake which opens the first Saturday in March and closes sometime in October.

What makes their trout such mouth-watering treats for folks who travel from as far as New York, Baltimore and New Jersey to spend a day fishing? According to Ludwig, it's the pride and caring that goes into each trout from hatching to catching.

"We raise all of our own trout," he says, explaining that as they grow they are hand graded. By the time the trout reach 11½ inches in size, they are ready to take the plunge into the fee-fishing lake. Although most of the fish caught out of the lake average 12-12½ inches, Ludwig says some of the smarter swimmers hit the 18-30 inch size before being baited.

The life of a trout caught at Arrowhead Springs begins miles away in the state of Washington. A firm called Trout Lodge "strips and prepares" the eggs and ships them, packed in ice, by air to their final destination in Lebanon County. This firm, says Ludwig, "works with genetic strains for a good, disease-free beginning."



While most of the fish travel from pool to pool through a complex system of pipes so that human contact is kept to a minimum, a tanker truck provides the mode of transport in certain instances.

Keeping their fish healthy and free from disease is an occupational obsession for the Ludwigs. Darlene explains, "Trout need a better environment to live and grow in than people — they're fussier. They need a sterile environment."

As a result, no one is allowed inside a converted pig pen that serves as the trout incubation room. A special foot dip is a prerequisite for anyone who steps inside to care for the newborn trout, called fry, whose voracious appetites demand satisfaction 12 times a day.

Roughly 80,000 eggs are hatched three times a year at Arrowhead Springs — in November, January, and May. It takes from 30 to 60 days for the "eyed" eggs to hatch depending on water temperature, Ludwig explains. Under normal conditions at the Lebanon County hatchery where water temperatures stay at about 52 F, the trout hatch within eight days after their arrival.

For 15 days after they hatch, the trout fry live on their egg's yolk sac. Then a phenomenon called the "swimup" occurs, and the fry are ready to dine on a mash feed consisting of a 50 percent protein ration which Ludwig purchases from Zeigler's in Gardners, Adams County. Thriving on the almost round-the-clock care, the young fish grow rapidly. When they reach the 2-inch class, they get their "water-wings" and graduate to the great outdoors and life in a rearing pond.

To avoid any chance of the vulnerable young coming in contact with any human-carried contamination, the trip from pig pen to pond is made via a pipeline. This mode of transport continues until the trout are ready for the last transfer into the fee-fishing lake — 16-18 months later.

During their production stages, the trout receive various feed rations. The 50 percent protein feed provides their necessary growth nutrients until they reach the 4-5 inch class. Thereafter, their diets consist of a 36 percent protein formulation fortified with vitamins, supplied by Master Mix dealer Morgan Hollinger, Lititz.

Feeding trout to ensure maximum development is "very expensive", observes Ludwig. "I go through about 80 tons of feed a year." Although the cost of feed varies throughout the year, Ludwig calculates his average cost is about $540 a ton.

Although top quality feed and disease-free strains are essential in the trout business, Ludwig stresses "the most important aspect of raising good, healthy trout" is good water. And Arrowhead Springs is blessed with a rich water resource which bubbles out of eight springs on the 430-acre complex. This cold, pure water, flowing at a rate of 3 million gallons a day, constantly recharges the chain of rearing pools on the property that average three feet in depth.

Because of this dependable water flow, Ludwig explains icing is usually no problem on the ponds at the hatchery unless air temperatures drop below 20 F for several days. The major problem the family has with icing is when the mechanical aerators which shoot additional oxygen into the ponds, freeze.

What brings more headaches to Arrowhead Springs is the seasonal leaf fall which showers the ponds with potentially oxygen-robbing organic matter. Raking debris which threatens to clog screens and vacuuming the rearing ponds' bottoms become tedious chores, compliments of Mother Nature.

(Turn to Page B26)

SERIES 10

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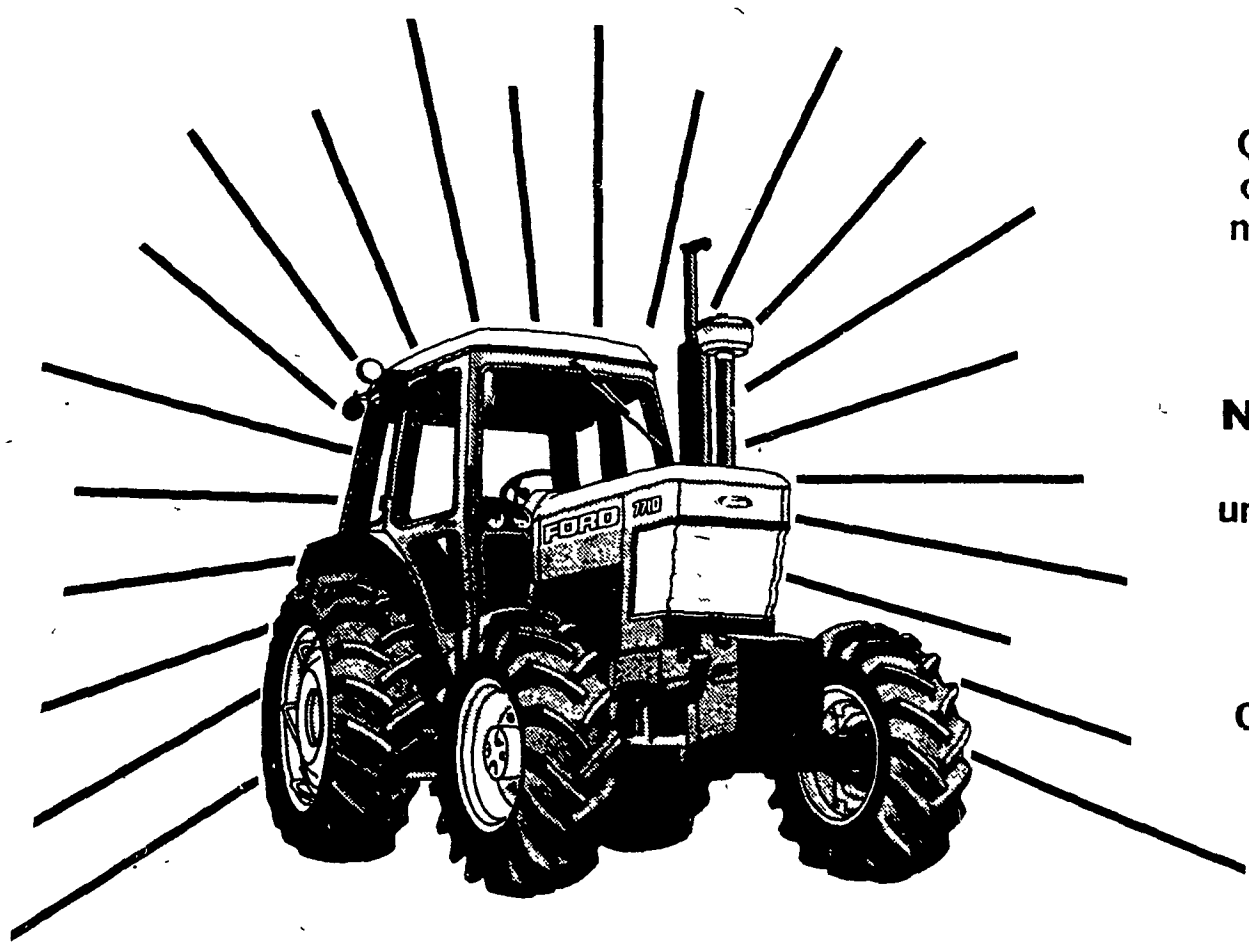

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Ford Tractors Equipment

Hooked on fish farming

(Continued from Page B24)

Although it might seem like "much to do about nothing" for the layman, Ludwig emphasizes the importance of adequate supplies of oxygen for his fish, reared in "high-density" conditions. His trout, although not packed into ponds like sardines in cans, have an insatiable demand for oxygen. If this key element drops below 4½ parts per million in the water, Ludwig says his fish will be in a lot of trouble.

One of the major drawbacks of high-density fish rearing, says Ludwig, is that it sets a dinner table for Mother Nature, with his trout being served as "natural hors d'oevers. "It's a jungle at night time," he exclaims, citing frequent diners, such as raccoons and herons, that keep him on dusk to dawn vigils in order to protect his aqua-investment.

Other hazards to the fish farmer come in the forms of water-loving rodents, called muskrats, who take great pleasure in carving holes through pond banks, and in the invisible forms of water pollutants, like manures, pesticides and fertilizers.

Ludwig recalls one incident where local horseback riders began to frequent the property and as their mounts paused by one of the springs, a trail of manure was deposited — a habit that could have "poisoned" one of the springs if Ludwig, with the help of the Pa. Fish Commission, hadn't stepped in and stopped the trespassing.

Just as good pH is important to the crop farmer, having the right alkalinity is a must for the trout farmer. Because Arrowhead Springs' water bubbles up out of a limestone valley, Ludwig says the water always tests high — pH 7.9 — ideal for raising trout.

Keeping their trout business means working seven days a week, 365 days a year, says Darlene, adding that she would never trade her life now for a desk job. Her sentiments are echoed by Ludwig, who observes:

"A farmer has long hours, but a fish farmer never quits."

The surface of the high-density trout rearing ponds are constantly rippled as aerators force 5 pounds of oxygen an hour into the water. Ludwig explains that if the oxygen level dips below 4½ ppm the fish could suffer since they are stocked to maximum capacity.

42-pound cheese sells for $70 a pound

WASHINGTON, D.C. — Competition among cheese makers for a blue ribbon is as keen as ever, and even computers can't replace the talents of a good cheese maker.

A winning 42-pound Colby cheese recently was sold to the highest bidder at auction for $2,940 or $70 a pound. That's about $67 a pound more than consumers pay for top quality American cheese at their grocery stores.

The cheese makers' craft is one of pride that has developed over many centuries, but the modern cheese plant is a lot different than it was not too many years ago.

George Fry, chief of the U.S. Department of Agriculture's inspection and grading service for dairy products — a unit of USDA's Agricultural Marketing Service — says automation and computer control are playing major roles in modern cheese plants.

"This," he says, "makes possible more continuous production of cheese and a leveling out of quality at a higher standard."

What's the difference between the past and the present? Fry describes it this way:

"Much more labor was needed in the past. The workers activated switches to pump milk into a vat, manipulated the temperature by adjusting steam in the jacket around the vat, added starter and rennet to make the cheese gel, and manually handled the slabs of cheese during the cheddaring, milling and hoop filling operations.

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- Large ash pans
- Firebrick lining
- All controls available
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Model 401 Furnace
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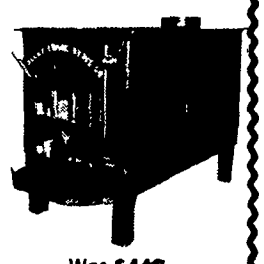

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- 10.6 Lbs.
- Automatic Oiling
- Anti-Vibration System
- Electronic Ignition

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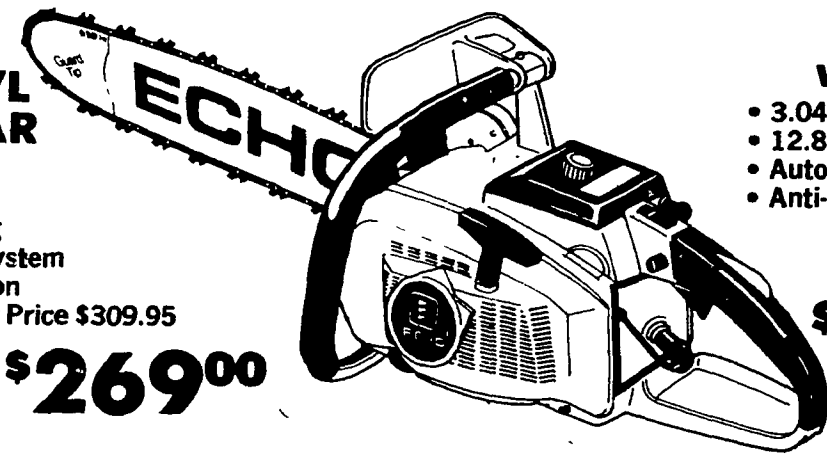
SALE $269.00



CS-500VL w/20" BAR
- 3.04 Cu. In.
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- Automatic Oiling
- Anti-Vibration System

List Price $369.95
SALE $309.00

CHECK OUR REDUCED PRICES ON THE FULL ECHO LINE:

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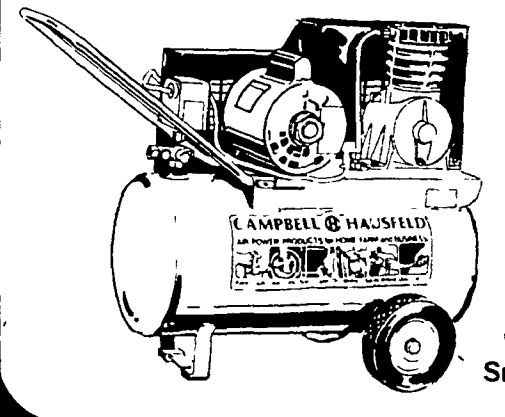

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• FL-3502 ¾ H.P.....	$289.95	$199.00
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Chester County DHIA Monthly Report

dhia — Pennsylvania Dairy Herd Improvement Association

CHESTER COUNTY DHIA
October 1982

OWNER NAME OR NUMBER	BREED	AGE	DAYS IN MILK	LBS. MILK	% FAT	LBS. FAT
Paul King						
Annette	3	11-1	305	26,330	4 1	1092
Marvex	3	3-1	305	24,743	4 1	1009
Sandy	3	3-4	305	28,825	3 5	1000
Astro	3	7-2	305	25,261	3 5	894
Electro	3	5-0	305	22,918	3 5	810
Elect	3	7-3	305	25,378	3 1	777
Spring Aqua Farm						
137	3	6-10	305	25,671	4 2	1070
197	3	5-4	305	21,224	3.9	838
1	3	2-0	305	20,215	3.5	707
John M. Umble & Sons						
Dream	3	10-2	305	23,321	4 3	1009
Ivana	3	4-0	305	22,139	3.8	836
Salena	3	3-2	305	21,039	3.9	830
Charm	3	5-3	305	20,908	3.9	817
Flora	3	4-3	305	23,291	3.4	797
John S. Stoltzfus						
Hifi	3	6-5	305	23,667	4.2	1004
Connie	3	6-7	305	24,272	4 0	960
Polly	3	7-5	305	22,168	4.2	936
Ritz	3	5-10	305	23,618	3.7	883
Wagner	3	4-0	305	21,295	3.6	770
Ben Beiler & T Barlow						
Dancer	3	4-2	305	23,711	4.1	983
Harold R. Kulp						
Bonnie	3	7-9	305	26,790	3 6	961
Develop	3	4-0	305	19,546	4.0	789
York	3	5-1	305	18,940	4 1	785
Yarrow	3	5-4	305	17,957	4 2	753
Jefferson D. Yoder						
35	3	5-2	305	22,193	4 3	953
56	3	4-11	305	28,189	3 2	911
86	3	7-5	305	25,105	3 4	860
14	3	3-3	305	19,450	4 4	852
81	3	4-11	305	22,503	3 3	739
33	3	4-3	305	17,185	4 1	711
Robert E. Pepple						
10	3	4-5	305	21,768	4 4	949
59	3	5 4	305	22,394	4 0	906
51	3	3-4	305	24,694	3 2	795
40	3	6-0	298	20,432	3 8	775
David Bartram						
416	3	5 7	305	24 374	3 9	947
327	3	7 1	305	18,414	4 5	824
109	3	7 1	305	21,498	3 7	786
3	3	5 8	304	23,172	3 3	775
G77	3	9 3	305	20,791	3 4	713
Paul M Snader						
60	3	8 5	305	24,040	3 9	934
100	3	5-3	305	22,474	3 4	763
93	3	6 0	305	16,310	4 4	717
J Raymond Harnish						
Shelley	3	5-8	305	27,633	3 4	932
Ruthie	3	4-10	303	19,966	3 8	758
July	3	10-0	305	20,939	3 6	745
Eilene	3	2 9	305	21,481	3 4	726
David K Stoltzfus						
34	3	7 8	305	24,862	3 7	918
44	3	3-3	295	22,675	3 5	786
38	3	3-5	305	18,827	3 9	736
Herman Stoltzfus						
Gail	3	4 3	305	23,921	3 8	909
Parry Bros						
157	3	8-1	305	25,377	3 6	908
715	3	4-1	305	21,337	3 6	777
728	3	4-11	305	20,551	3 5	716
597	3	5-2	305	16,200	4 3	703
Donald Hostetter Jr						
Roma	3	5-6	305	28,135	3 2	904
Marian	3	3-2	305	23,101	3 8	867
Sylvia	3	5-4	305	24,654	3 5	862
Julie	3	4-11	305	21,953	3 7	808
Marie	3	8-10	305	20,390	3 4	702
Mast Stoltzfus						
Cindy	3	5-5	305	24,310	3 7	895
Twilite	3	7-2	305	21,130	4 2	894
Texann	3	3-10	305	24,090	3 7	883
Diane	3	5-7	305	21,525	3 9	840
Dottie	3	4-11	305	21,715	3 8	816
Delphi Farms						
84	3	7-2	289	22,797	3 9	895
120	3	4 8	305	18,798	4 2	785
181	3	2-0	304	15,979	4 6	730
J Harold Bare						
51	3	4-4	298	22,766	3 9	895
25	3	3-4	280	17,185	4 2	726
Horace Prange						
Sophy	3	6 3	305	23,298	3 8	888
Candy	3	4-7	305	20,167	3 8	757
Ronald H Jantzi						
Dandy	3	4-3	305	22,533	3 9	884
Fran	3	7-8	305	28,465	3 1	881
Melody	3	4-5	305	23 565	3 2	746
Jonas B Stoltzfus						
Jet	3	6 0	305	22,170	4 0	883
George P. Lamborn						
Rebeka	3	6 9	305	22 571	3 9	881
Leon D Kurtz						
Missy	3	3-3	305	24,227	3 6	872
Wanda	3	7-2	305	24,095	3 6	870
Wendy	3	3-4	305	19,115	4 1	790
Judy	3	3-3	305	22,279	3 5	776
Kim	3	2 11	305	18 916	4 1	771
Melwood Farm						
Bonnie	3	6-11	305	23,778	3 6	864
Chester Hills Farm						
W119	3	5-8	297	22,003	3 9	857
W179	3	3-11	305	22,174	3 5	783
W147	3	5-1	305	19,616	3 7	722
S R & M J Matthews						
52	3	5 1	305	20,499	4 2	857
Walmoore 1						
222	3	4 10	305	23,879	3 6	854
331	3	2 11	300	19 907	4 2	838
263	3	4-4	305	24,951	3 1	763
328	3	3 2	305	21,090	3 6	754
296	3	3 8	305	21,036	3 4	713
265	3	4 5	305	18,469	3 9	713
Vernon Guest & son						
Rachele	3	8 1	305	20,410	4 2	848
Elke	3	4 5	305	20,068	3 9	785
Cammy	3	4 3	305	20,516	3 6	736
David E Weaver						
Potsie	3	5 1	305	23,245	3 6	846
Blacky	3	9 4	297	23,223	3 6	844
Primer	3	5 2	305	20,837	3 6	757
Sally 2	3	4 11	305	23,683	3 2	754
Jonas Z King						
10	3	3 3	305	20,490	4 1	846
Charm	3	5 6	305	23,171	3 4	787
Hilda	3	4 9	282	23,619	3 2	753
Heidi	3	3 2	305	18,665	3 9	734
John R Groff						
Polly	3	9 10	305	18,874	4 5	841
Ruby	3	5 3	305	19,757	3 8	751
Patsy	3	4 5	305	19,990	3 7	741
Ronald F Elliott						
Dort 198	3	4 8	305	21,483	3 9	839
191	3	5 5	305	17,328	4 5	774
215	3	4 7	305	20,960	3 5	739
Swan View						
Anita	3	4 0	305	22,099	3 8	834
Craig	3	10 2	305	18,691	3 9	728
Judy	3	3 2	305	18,159	4 0	721
Elmer A Mast						
Louise	3	7 3	305	24,099	3 4	829
Betty	3	4 3	305	21,378	3 8	804
Abby	3	10 7	305	22,088	3 5	784
Dragon	3	6 4	305	17,362	4 3	750
Joseph I Kulp						
22	3	4 1	305	19,811	4 2	824
39	3	8 10	301	21,524	3 3	716
Richard Hostetter						
14	3	6 4	305	24,532	3 3	819
Lester Eby						
Lolita	3	3 4	305	23,668	3 5	817
Diane	3	5 1	305	25,368	3 2	814
Calvin R Blank						
35	3	5 11	305	19,841	4 1	817
Wilmer L Hostetter						
Ruffian	3	4 10	305	24 114	3 4	811
Dennis Bush						
79	3	4 5	305	21,047	3 8	808
122	3	4-6	305	20,523	3 9	798
Lloyd Mast & Sons						
141	3	4 5	298	18 741	4 3	805
61	3	6 8	305	21,853	3 6	795
21	3	7 4	305	19,898	3 7	745
Willowlai d Farm						
Fern	3	4 2	305	22 002	3 6	801
Oda	3	7 3	305	19,880	4 0	788
Opal	3	5 5	276	21,210	3 5	747
Rosmary	3	5 3	276	20,884	3 5	739

(Turn to Page B28)

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Chester Co. DHIA

(Continued from Page B27)

C Edward Lawrie						
8	3	4-6	293	18,891	4 2	799
Enos R Peifer						
43	3	4-4	305	19,750	4 0	796
9	3	7-1	305	17,850	4 3	768
17	3	3 3	305	18,822	3 9	743
Round Top Farm						
47	3	5-2	305	23,732	3 3	794
Mt. Olivet Farm						
65	3	6-2	305	20,016	4 0	791
73	3	6-1	305	19,730	3.9	765
8	3	8-3	305	17,509	4 1	723
Joseph S King						
Tina	3	7-7	305	17,761	4.5	791
Wilkinson Farm #1						
1255	3	3-5	305	21,774	3.6	790
Kenneth Weaver						
55	3	3-1	305	24,529	3.2	788
30-E	3	4-1	305	19,829	3.7	743
Applebrook Guernseys						
S-Elsa	2	4 10	305	15,144	5.2	788
R Raven	2	6 8	305	17,135	4 4	746
Lene Hill Farms						
59	3	3 6	305	20,408	3 8	773
6	3	5-9	305	19,111	3 9	743
Joel C. Brown						
624	3	6 0	305	21,020	3 6	766
645	3	5-2	305	22,199	3 4	756
647	3	5-1	289	19,347	3 9	745
Mrs John B Hannum 3D						
210	3	6-9	305	23,662	3 2	762
78	3	4-4	282	18,088	4 1	743
262	3	2-2	305	21,435	3 4	726
James V Yale						
2	3	8-3	305	20,164	3 8	762
60	3	6 8	305	20,513	3 6	729
Donald H Windle						
345	3	4-0	305	18,158	4 2	759
355	3	3 5	305	18,194	4 0	735
John L Stoltzfus						
27	3	6 1	305	19,744	3 8	758
Ridglea Farm						
42	3	4 1	305	24,860	3 0	744
19	3	9 4	305	18,662	3 9	734
80	3	3-6	280	16,369	4 3	700
David Walton						
Gloria	3	13-11	305	17,264	4 3	744
Richard L. Hoover						
19	3	3-11	274	20,841	3 5	738
87	3	7-6	305	22,166	3 2	709
33	3	5-8	305	18,875	3 7	701
Arthur D Hershey						
Amy	3	3 1	305	20,755	3 6	737
Alta Vista Farm						
118	3	4 2	305	16,840	4 4	736
Harold J Ranck						
Tweet	3	7-3	305	19,823	3 7	733
Blanche	3	6 3	305	19,967	3 5	705
Martin M Weaver						
129	3	5-9	305	18,147	4 0	732
58	3	4-4	305	19,096	3 8	729
34	3	6-11	304	17,449	4 1	711
Kenneth Umble						
Jenny	3	6-6	305	21,499	3 3	720
Ken Brown						
106	3	6-6	305	20,510	3 5	713
A Dudley & Son						
139	3	9-9	305	19,896	3 6	713
Louis C Neyman						
39	3	8-1	304	19,153	3 7	712
Christ L Stoltzfus						
Kathy	3	4-1	305	22,376	3.2	710
Landis S Reid						
173	3	6-5	305	17,350	4.1	709
John P Kauffman						
Silva	3	4-3	305	19,578	3.6	705
Daniel R Stoltzfus						
Gretta	3	3-4	305	19,333	3.6	700

Roaring Spring farmer tops Blair DHIA

ALTOONA — With a herd average of 20,885 pounds of milk and 752 pounds of fat, James Smith, Roaring Spring topped the Blair County DHIA in the Association's 54th year.

Altoona producer Joe McCutcheon claimed high cow for butterfat production. McCutcheon's 5-year-old cow finished the year with 1,249 pounds of fat. Gerald Burket, Martinsburg, had top cow for milk. Burket's 6-year-old Holstein ended her lactation with 33,374 pounds of milk.

The Blair County DHIA finished with 92 whole-year herds and seven owner-sampler herds The county's 6,247 cows averaged 16,239 pounds of milk and 614 pounds of fat.

The following herds finished with more than 650 pounds of butterfat:

James Smith	36.7	20,885	752
Dennis A. Smith	47 1	18,956	735
Dale W. Hoover	37.0	19,348	734
Dawn Baker	104.2	18,939	721
Blackcrest Farms	66.4	18,993	718
Thomas W. Kelly	62.7	18,801	710
Marcove Farm	67.9	18,215	709
G.W & R.G. Baker	73.8	19,068	708
W. Dean Stern	65.7	19,107	699
Clover Will Farms	143.3	19,383	698
Cove Valley Hol. Inc.	86.0	18,889	694
Lar Ann Farm	110.8	18,094	689
Penn-England	84.4	17,159	688
Revere Smith	48.8	17,928	687
Charles & Mike Hoover	90.8	19,204	681
Gerald Burket	99.2	18,764	681
Richard R. Fox & Sons	42 1	17,770	679
Emile Dilling	93.6	17,711	672
Richard Heltzel	38.8	17,239	670
Over Lane Farms	63.1	17,438	670
Julius Replogle	72 6	16,933	665
Glen Albright	34 0	17,058	664
Raymond Diebold	36.1	18,587	664
William R. England	152.9	17,305	663
Sun-Smith Farms	50.7	17,991	662
Mark Slagenweit, Jr.	41.2	17,570	661
Burket Falls Farm	82.7	17,234	660
Smith Hollow Farms	97.4	17,704	658
Fred Bechtel	64.2	17,335	653
Jerry & Sandy Young	40.5	16,952	653
Joe McCutcheon	55.7	16,848	650
Robert A. Brumbaugh	82.6	17,271	650

SULBRA ends 59th testing year

DUSHORE — William Hottenstein of New Albany ended the 1982 DHIA testing year with 19,012 pounds of milk and 684 pounds of fat to top the SULBRA DHIA's 59th year.

The association's 1,241 cows averaged 14,770 pounds of milk and 548 pounds of butterfat. There were 24 full year herds on test plus five Owner-Sampler herds.

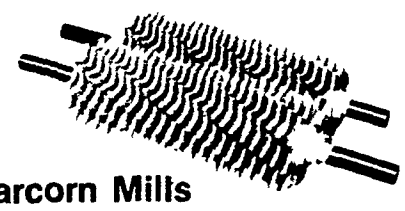
Hottenstein's 8-year-old Holstein Jane finished with the high record for milk and fat at 28,358 pounds of milk and 1,049 pounds of fat.

The SULBRA DHIA executive committee consists of: president, William Hart; vice-president, Raymond Norconk, secretary, William Lambert; treasurer, Jody Lambert; directors, Robert Coombs, Richard Higley, R. LaVerne McCarty; supervisor, John Brown.

Herds finishing with more than 650 pounds of butterfat follow:

William Hottenstein	RH	50.9	85.0	19,012	684
Raymond Norconk	R&GH	41.1	84.9	17,529	675
G. & W. Lambert	R&GH	110.6	90.0	18,108	668
D. & V. Boyd	R&GH	30.7	82.7	18,694	666
C Arey & R. Coombs	RH	45.2	87.4	17,999	652

We can handle it Automatic Earcorn Mills



No other earcorn mill stands up to Automatic. First, the exclusive screenless pre-crusher shells corn and crushes cobs. Then, the fast chain drive roller mill cracks the corn and further reduces cobs. Finally, the exclusive shredder reduces shucky ear corn husks for a uniform blend One year warranty on parts and service. Lifetime guarantee on rolls. Automatic Ear Corn Roller Mills handle the highest moisture corn without plugging.

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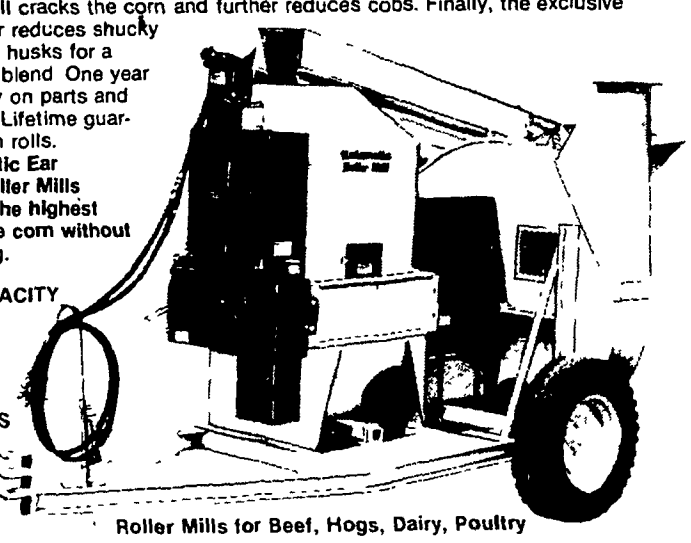
- LOW HORSE POWER
- NO SCREENS
- NO DELAYS



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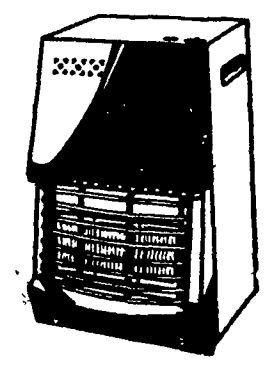

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Dauphin County DHIA Monthly Report

dhia — Pennsylvania Dairy Herd Improvement Association

October 1982

NAME	BRD	NO. COWS	LBS. MILK	LBS. FAT
Restful Acres	H	85.3	20,679	733
John Hertzler	H	76.0	18,173	694
Robert J. Schaffer	H	60.6	17,695	652
Catalpa Farms	H	118.2	17,025	643
Roy M. Brubaker	H	68.3	18,553	639
J Melvin Brandt	H	67.6	16,761	637
Robert H. Beach, Jr	H	45.4	16,929	631
Larry L. Boyer	H	24.1	16,995	631
Earl Campbell	H	54.5	15,862	628
Wil-Lene Farms	H	62.6	17,725	626
John Roy Book	H	65.8	17,798	625
Crissinger Dairy Farm	H	81.5	16,466	617
Calvin B Mauser	G	69.1	13,244	614
Lytle Farms Inc.	H	101.8	16,899	607
Elwillo Farms	Mix	120.9	16,222	601
Roy C. Wilbert	H	30.4	16,436	600
Dale F. Faust	H	33.5	16,511	591
Harold M. Nissley	H	45 2	17,094	585
J. Richard Alwine	H	54 1	15,675	581
Wilmer Campbell	G	62 9	12,785	579
Mahlon L. Lehman	H	54 4	15,677	573
Donald Engle	H	62 1	15,626	567
Conewago Farms	H	47.4	15,291	564
Arthur Brandt	H	102.6	15,038	557
Stoney Lawn Farms	H	57 7	15,476	553
James Lesher	H	41 7	14,948	550
Paul E. Clugston	H	95.6	14,461	550
Ed-Kathy Kuntzelman	H	26.6	14,832	547
Robert Oellig	H	39.0	14,267	543
Sher Mar Acres	H	38.7	14,698	534
Walter Schaffer	H	36.7	12,888	529
Lauden Farms	H	166.1	14,573	528
Oel-Dell Farms	H	44.0	14,635	526
Great View Farms	H	54.8	15,532	524
A Grand View	H	98.1	14,851	521
Bryncoed Farm	J	135.5	10,824	519
Homer Campbell	H	84.0	13,578	511
Floyd Feidt	Mix	69.4	13,295	510
Earl E. Keefer	A	81.8	13,284	501

305 day lactation records above 600 lbs. fat.

OWNER NAME OR NO.	AGE AT CALVING	LBS. MILK		LBS. FAT
Bryncoed Farm Jersey				
274	5-10	14,167	4.6	650
287	5-6	13,899	4.3	601
299	5-4	12,354	5 4	663
311	5-2	11,392	5.8	660
409	3-6	14,309	4 6	653
John Hertzler				
Apollo	8-8	22,918	3 2	741
Alicia	3 11	13,251	4 6	606
Verna	3 5	21,576	3 4	731
Conewago Farms				
Cora	3-8	16,977	4 2	716
Holly	3-4	19,551	3 6	696
GR-21	4-3	20,339	3 6	724
117	2-3	17,834	4 7	832
Willow	8 2	23,767	3 1	735
GR-34	4-1	21,575	3 8	820
Robert Oellig				
Crystal	7-8	22,595	3 4	769
Betty	4-11	18,917	3 3	618
Shirley	3-6	15,663	4 7	729
Calvin B Mauser				
Felice	7-10	15,248	5 3	804
Maryle	6-0	12,129	5 0	608
Bon Bon	5-1	17,437	4 8	844
Lucille	4-11	12,976	5 1	663
Benita	3-10	19,495	4 3	842
Joanna	4-0	16,265	3 9	642
Echo	3-0	11,719	5 2	608
Nancann	2-11	13,816	3 6	630
Minnie	1-11	13,656	4 7	641
Wendy	2-0	14,296	4 5	637
Robert J. Schaffer				
Miriam	5-2	19,505	3 6	710
Viv	5-2	19,829	3 6	709
Rosetta	4-2	20,100	3 8	757
Mattie	4 0	18,565	3 3	621
Jelly	3-2	20,660	3 6	744
Empress	3-2	23,097	2 7	625
Dawn	2 11	17,676	3 7	650
Saphire	3 1	16,910	3 6	609
John Roy Book				
Rosy	10-3	23,893	3 2	763
Beulah	11-0	20,036	3 9	780
Cindy	5-7	17,484	3 7	648
Julie	4-8	20,883	3 7	780
Blindy	3 3	15,690	4 3	669
Sugar	2-8	17,578	3 6	633
Ada	2-5	17,514	3 7	649
Stoney Lawn Farms				
Chief	9-2	22,172	3 8	850
Fanny	9-10	22,262	3 4	746
Barbara	3-4	18,811	3 9	731
Lytle Farms Inc				
Autena	9-0	16,705	3 9	651
Ella	6-2	16,404	4 7	767
Blossom	5-7	18,239	3 8	687
Eden	4-2	19,678	3 6	713
Sugar	4-2	16,260	4 3	693
Vera	3-2	18,517	3 9	730
Ethel	2-0	14,129	4 3	604
Belinda	2-2	17,226	3 9	665
Floyd Feidt				
Camille	6-8	20,035	3 5	693
Chita	4-10	19,431	4 0	780
Mahlon L. Lehman				
Flo	6-10	19,352	4 1	797
Tena	3-10	16,736	3 8	635
J. Melvin Brandt				
Dana	11-5	17,584	4 2	738
Etta	9-8	27,915	4 1	1156
Pauletta	4-4	16,205	4 2	674
Ida	3-2	20,747	3 5	733
Wilmer Campbell				
Clara	4-0	15,633	5 2	808
Phyllis	3-11	14,887	4 9	734
Harold M Nissley				
Libby	3 0	19,746	3 6	702
Rusty	3-2	17,917	4 3	775
R Own Dairy, Inc				
32	5 7	14,965	3 4	613
J Richard Alwine				
Kate	2-11	14,929	4 2	623
Homer Campbell				
108	6-9	20,261	3 3	662
154	5 2	18,785	4 2	785
55	5-1	17,252	3 9	681
24	5-2	18,060	3 9	713
66	4-6	18,024	3 9	697
29	3 10	15,307	4 1	626
28	4 1	15,581	4 3	668
49	2-8	16,159	3 9	625
41		16,726	3 7	620
Catalpa Farms				
Sadie	7 1	20,913	4 0	842
Lilac	6 3	17,026	4 1	699
Bertie	5 11	23,481	4 1	970
Addie	5 7	22,583	3 9	883
111	4 1	15,888	4 3	691
108	4 2	17,318	3 7	635
107	4 1	20,224	3 2	656
147	3 1	20,707	3 7	760
153	3 0	20,707	3 5	728
204	1 11	14,640	4 2	609
200	2 0	17 278	3 7	632
207	2 0	17,699	3 6	646
Stanley R Long				
Tami	4 4	17,166	4 2	720
Robert H Beach				
126	5 2	18,796	3 4	642
146	4 4	20,290	3 9	795
145	4 4	19 867	4 0	786
149	4 0	14,595	4 3	626
163	3 4	17,071	3 3	619
Lauden Farms				
Vesta 41	6 7	19,572	3 7	717
125	4 9	22,658	3 7	849
97	3-6	21,866	3 0	666
191	2-0	16,984	3 8	640
138	3 9	20,235	3 4	681
Gary E Miller				
R33	5 11	15,747	4 1	646
Donald Engle				
23	5 2	21,033	3 6	755
Great View Farms				
Sabrina	7-0	18,961	3 7	698
Earl Campbell				
4	7 10	20,101	3 9	784
62	6 1	20,508	4 1	846
Donald Miller Deemar				
19	4 11	17,378	3 6	618
Roy M Brubaker				
Charm	8 10	19,489	3 2	622
Starla	4-9	20,632	3 3	691
Lois	4 1	23,741	3 5	830
Linda	4-0	24,089	3 4	826
Judy	3 0	19,994	3 0	604
Sher Mar Acres				
15	4-1	19,906	3.6	715
305	5-4	17,203	3.5	610
Paul E Clugston				
171	2-0	18,141	3.5	627
James Lesher				
Chubbie	6-1	19,950	3 4	669

(Turn to Page B30)

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Dauphin Co. DHIA

(Continued from Page B29)

Yvonne	2 0	19,284	3 2	625
Gina	3 7	19,784	3 7	729
Wil-Lene Farms				
23	7 1	22,223	3 5	781
31	5 2	18,863	3 6	682
70	4-1	17,914	3 6	648
Roy C Wilbert				
Nanc	3 7	18,831	3 2	612
Oel Dell Farms				
3	4-2	16,734	4 1	683
87	9 2	18,770	3 3	619
A Grand View				
33	7-1	18,521	3 8	705
81	5-2	13,149	4 8	627
38		22,357	3 2	724
Amos Esh				
29		17,415	3 7	643
Arthur Brandt				
Roxie	8-1	17,644	3 7	656
Jewel	8-6	20,997	4 0	847
Carla	7 3	16,402	4 0	652
Ida	7-1	14,367	4 6	662
Molly	7-3	19,143	3 1	601
Ruby	6-3	20,779	3 7	760
Nig	6-1	17,797	3 6	646
Katydid	5-10	17,906	3 9	701
40	5-8	18,838	3 5	666
Daisy	4 6	17,861	4 1	730
Polly	3 7	17,362	3 9	671
Bonnie	3 7	19,460	3 8	743
Sherry	3 3	20,150	3 6	728
Elwillo Farms				
75R	6 5	15,046	4 5	684
40	5 4	21,721	4 8	1052
10	11 1	21,102	3 8	805
12	5-1	22,443	3 4	774
156-R	3 11	18,356	3 6	668
41	3-4	19,243	4 1	796
100-R	2-3	16,623	4 3	716
1-G	2 2	18,461	3 4	619
Dale F Faust				
35	5-7	18,812	3 7	695
19	4-8	20,645	3 5	729
Larry L Boyer				
Susie	4-6	17,529	3 7	641

Clinton Co. DHIA ends 43rd year

LOCK HAVEN — Clinton County's 1,561 cows on test finished the 43rd testing year with averages of 14,771 pounds of milk and 547 pounds of fat

Mill Hall Holstein breeder Paul Courter turned in the Associations top figures of 17,574 pounds milk and 671 pounds of fat on 80 cows

Tom and Grace Nicholas of Loganton had high cow for fat Their 5-year-old Holstein, Sherey, finished with 1,005 pounds of fat and 21,803 pounds of milk

Top cow for milk was a 5-year-old Holstein, owned by George Hayes of Mill Hall with a top record of 26,931 pounds of milk and 848 pounds of fat.

This year's directors for the association included: Ronald Meyer, Larry Dotterer, Blair Courter, Leslie Irvin and Paul Courter Testers include: Connie Fryer, Tom Fox, Ron Beck, Bonnie Beck and Ron Rishel.

The following Clinton County herds finished above 650 pounds of butterfat:

Paul Courter	B3	80.2	88 8	17,574	671
Blair & Elaine Courter	3	54.2	89.7	17,854	653

Juniata County DHIA Monthly Report

dhia — Pennsylvania Dairy Herd Improvement Association

October 1982

The 10 highest rolling herd averages for the most recent 12 months of production are:

OWNER	BREED	% DAYS IN MILK	LBS. MILK	LBS. FAT
James C Graham	34H	85.2	19,289	752
Harold B Shearer	39H	85.9	20,250	744
Mark L. Zook	50H	89.4	19,249	740
Larry & David Noss	61H	85.9	18,708	721
John L. Van Horn	40H	91.4	17,649	719
Freeburn & Norman Love	54H	85.8	18,383	718
Charles Wochley	56H	90.7	18,375	718
W. Harshbarger & Sons	39H	88.0	17,635	709
R E. Shearer & Sons	57H	87.6	18,809	689
Rick & Ralph Saner	48H	85.8	18,128	683

Five hundred thirty four cows completed records of 305 days or less. One of these cows produced over 1000 lbs. of butterfat; 10 produced over 900 lbs.; 32 produced over 800 lbs.; 78 produced over 700 lbs.; 128 produced over 600 lbs ; and 121 produced over 500 lbs.

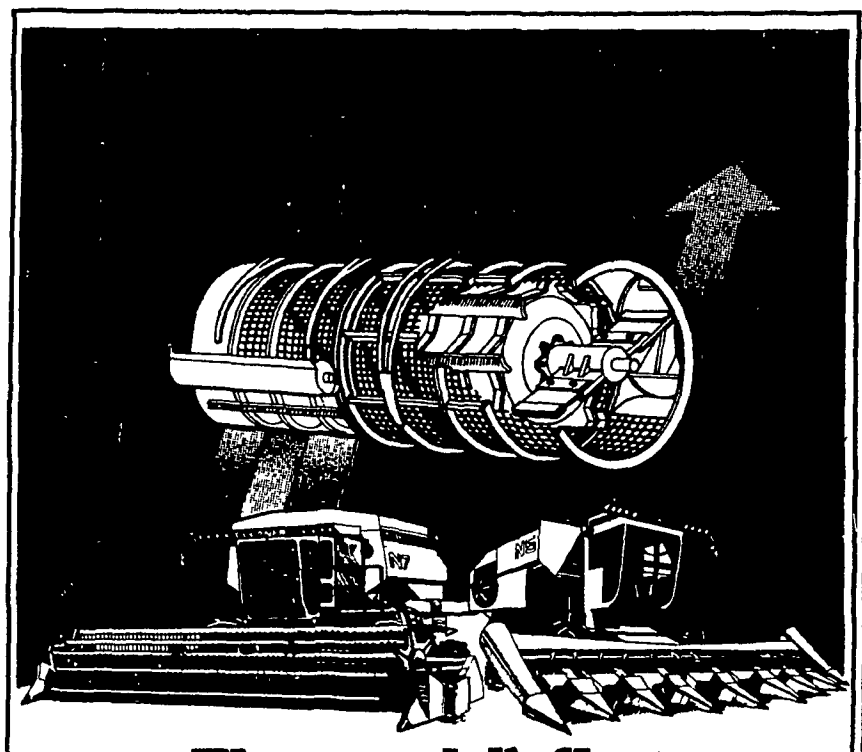
The county's 15 high cows are:

OWNER NAME OR NO.	LBS. OF MILK	LBS. OF FAT
Jay C. Finkbiner		
Vera	24,331	1029
Glen B. Simonton		
238Trix	24,395	993
34Jedd	24,167	910
90Poly	21,539	872
Zimmerman Brothers		
Fay	25,173	985
Ruth	23,291	912
Hedy	23,125	880
Charles Wochley		
9	22,454	971
Larry & David Noss		
20	24,369	970
James C. Graham		
Pricilla	20,439	916
Donald & Diane Apple		
136	23,876	904
Marvin L. Peoples		
138	26,263	900
Clyde D. Moyer		
Andrea	24,420	900
Grand Hope Farm		
Reba	21,088	881
James H. Speer, Jr		
Sandy	22,538	878

LUZERNE CO. DHIA
October, 1982

Cows finishing their lactation period over 750 pounds butterfat:

OWNER NAME OR NUMBER	BRD	AGE	DAYS IN MILK	LBS. MILK	% FAT	LBS. FAT
Hillside Farms Inc.						
Tammie	RH	6.11	305	21073	3.8	809
402	RH	5.9	302	20892	3.7	763
Fred Shultz						
Linda	RH	8 11	305	23022	3.5	798
Pecora Bros.						
4-1592	RH	2.11	305	23283	3.7	863
1081615	RH	2.7	305	19023	4.4	837
Carl E. Troxell						
20	RH	4.1	305	19492	4.1	804
Larry Baron						
Lisa	RH	4.0	305	18478	4.8	890
Sterling Farms						
Aggie	RH	5.10	305	30796	3.5	1089
Avis	RH	5.9	305	21395	3.9	844
Louise	RH	6 0	289	24380	3.3	810
Sious	RH	5.8	273	23295	3.3	759
Derwood & Dennis Moyer						
Marion	RH	8.5	305	18936	4.0	764



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Chester Co. 4-H team wins at nationals

WEST CHESTER — After months and months of hard work and practice, giving up evenings and Saturdays to judge livestock at various farms throughout the eastern half of Pennsylvania and throughout New Jersey, the livestock judging season came to an end with the completion of the National 4-H Livestock Judging Contest in Louisville, Kentucky on Nov. 16.

For 4 Chester County team members who made up the Pennsylvania State Team the national contest was a culmination of a year of hard work and a winning streak hard to be matched. Although not being named the high team overall at the nationals, as they were in three previous contests before that, the team did manage to bring home a number of honors.

The team, consisting of Nelson Beam, Elverson; Don Cairns, Sadsburyville; Eileen Fairbairn West Chester; and Bill MacCauley, Atglen were named the national champions in beef cattle judging. For their accomplishments, all team members received plaques from the American Hereford Association. Along with this, Don Cairns was named high individual in the nation in beef cattle judging and was presented a number of awards including a gold watch from the Elgen-Waltham Company. The team was also fourth in sheep judging, and seventh in oral reasons. Thirty-six teams from across the nation participated. The team found it a bit hard adjusting to the type of hog sought by today's mid-west breeders and only placed 28th in swine judging giving the team an overall rating of 15th.

Throughout the year, these 4-Her's gained much insight into livestock production as they toured many fine livestock facilities from as far north as Massachusetts to as far south as Virginia and finally through Ohio and Kentucky.

USDA issues food consumption report

WASHINGTON, D.C. — The U.S. Department of Agriculture has issued a food consumption report which details the eating patterns of the U.S. population.

This report completed this fall, is drawn from data gathered during USDA's 1977-78 nationwide food consumption survey, according to Robert L. Rizek, director of USDA's Human Nutrition Information Service's Consumer Nutrition Center.

For households reporting in spring 1977, the value of food used at home averaged $16.70 per person for a week, which is comparable to $24.60 at spring 1982 prices, Rizek said.

Households allocated the largest share per home food dollar — 36 cents — to meat, fish, poultry and eggs. The next largest share, 19 cents, went for vegetables and fruits, including juices. About 12 cents went for milk and milk products; 11 cents for flour, cereals, and bakery products; and another 11 cents for beverages such as coffee, tea, soft drinks, beverage powders and alcoholic beverages.

As income increased, the home use per person of milk and milk products, bakery products and beverages increased. In contrast, the use of flour, cereals, and eggs decreased as income rose.

Central city households — households composed of people who live in cities with a population of 50,000 or more — used more meat, poultry, and fish as well as vegetables and fruits than did households in suburban and non-metropolitan areas. Non-metropolitan households used the most flour, fats and sugars — ingredients needed for home baking.

Comparison with data from a similar survey 12 years earlier showed little change in the part of the food dollar accounted for by major food groups.

Coming...

SATURDAY, JANUARY 8

Lancaster Farming's Annual

PA. FARM SHOW ISSUE

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★ Keystone Farmer Resumes
★ Complete Farm Show Schedule
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ADVERTISERS: Plan Now to be represented in this Special Issue. Deadline December 29.

Wareham tops Bedford DHIA

BEDFORD — Everett dairyman Harry Wareham topped the 58th testing year for the Bedford County DHIA with a rolling herd average of 19,614 pounds of milk and 802 pounds of fat on 69 cows.

Overall, the county's 6,835 cows on test averaged 14,776 pounds of milk and 556 pounds of butterfat The Association finished the year with 106 while year herds and 23 owner-sampler herds

Executive members of the Bedford County DHIA include: president, James Eshelman; vice president, Edward Deputy; secretary-treasurer, Rita Dull; directors, Steve Ritchey, Tom Wakefield, Clair Koontz, Steve Mowry, Daniel Smith; supervisors, Hazel Brambley, Dean Grimbes, Blair Ritchey and Barbara Merkle.

The following herds finished with rolling herd averages above 650 pounds of butterfat:

Harry W. Wareham	3	69.1	19,614	802
Luther & Phil Steele	B3	76 6	18,856	750
Jerry L. Hershberger	B3	86.6	18,885	721
Anna & Henry Hall	B3	90.1	18,306	717
Shaffer Farms	B3	63 8	17,109	706
Paul Den	B3	74.4	18,086	701
George Garman & Sons	B3	46.7	17,209	688
Raymond Hinish	3	48.6	17,084	665
Dale A Baker	B3	50.4	16,563	662
Byron Over	3	64 1	17,695	654
Edward A Deputy	B3	123 9	18,215	652
Clarence & Ken Mowry	3	193 0	17,355	650

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- To turn wooded areas into tillable fields.
- To harvest merchantable timber for substantial return to owner.
- To clean out overgrown pastureland for improved foraging.
- To clear and drain marshy areas.
- To remove hedgerows to enlarge fields, permit straight-through plowing, planting and harvesting.
- To cut roadways, utility lines, etc.
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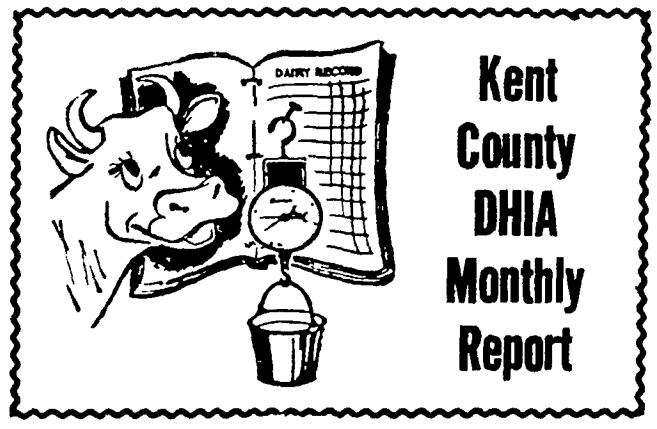
If you have fat cattle or need feeders . . .

THINK NEW HOLLAND

BEEF SALES
MONDAY — 1:30 P.M.
THURSDAY - 11:00 A.M.
Sale Order - Fat Bulls, Steers, Stockers and Beef Cows
Veal Calves - 4:30 Thurs.

NEW HOLLAND SALES STABLES, INC.
Phone: 717-354-4341
Daily Market Report - Phone: 717-354-7288
Abe Diffenbach, Manager
Field Representatives
Alan Diffenbach 717-656-9806
Luke Eberly 215-267-6608



Kent County DHIA Monthly Report

September 1982

Kent Co top 10 heads

OWNER	NO. COWS		% FAT	LBS. FAT
Terra View Farm	12	57.8	2.15	59 8
Allan Wright	43	54.3	1.90	54 2
S.B & Wm.S Sutton	119	48.7	1.92	52 3
Wm. & Charles Chance	73	50 3	1 79	50 8
Roy W Crow	50	49 4	1.81	50 8
Fair Hill Farm, Inc.	585	50.2	1.74	49 9
Friendship Farms, Inc	102	50.5	1.61	47 9
Carl C. Leonard	100	43.7	1.78	47 9
Kenneth A. Myers	47	46 5	1 67	47 2
Joseph W Smith	73	48 2	1 59	46 7

Cows that completed their lactation over 750 pounds butterfat

OWNER NAME OR NO.	AGE	DAYS IN MILK	LBS. MILK	LBS. FAT
Andelot				
89	4	5 02	23,330	929
120	3	4-03	19,800	827
Joseph A McHenry & Sons				
125	2	3 11	23,900	882
61	4	6-02	21,340	878
169	3	5-00	18,310	759
205	4	5-00	20,340	755
Joseph W. Smith				
66	2	3-09	19,770	862
George Ronnie Leager				
7/Ad	3	4-04	16,990	780
McGuire Bros , Inc				
406	6	7-00	19,470	841
541	3	4-04	18,810	824
594	1	2-06	18,530	795
425	5	6-08	15,710	760
Friendship Farm, Inc				
94	6	8-05	22,320	752
Roy W. Crow				
31/Marie	4	5-03	26,750	974
30/Margret	4	5-00	23,310	822
R&E Brink				
107/Horse	2	4 01	19,390	799
H Julian Hill & Sons				
96/Al Chief	3	4-08	23,340	820
19/Elev	3	4-09	19,720	800
58	6	9-00	21,670	779
Fair Hill Farm, Inc				
1069	2	3-02	22,560	852
276/Rhyme	6	7-06	23,770	847
81/Venus	5	6-07	22,660	840
1091	2	3-06	23,480	810
1149	2	4-03	19,780	766
307	3	5-02	21,180	753

Lapp leads McKean DHIA

SMETHPORT — Pork Allegany dairyman John Lapp led the McKean Co DHIA at the end of the Association's 55th testing year

Lapp's 33 Holsteins finished with 17,121 pounds of milk and 662 pounds of fat. Charles Irons of Smethport claimed high cows for lifetime production. Irons' cow Paullyn has to date 128,229 pounds of milk and 4,696 pounds of fat in eight lactations.

Irons also owned the high cow for butterfat production. His 3-year-old Paustar finished with 970 pounds of fat and 21,525 pounds of milk.

Orton Kinney of Port Allegany had high cow for milk. Kinny's 4-year-old Holstein, Dolly, produced 24,486 pounds of milk and 939 pounds of fat.

The county's 690 cows on test averaged 14,171 pounds of milk and 529 pounds of fat.

Executive members of the McKean Co. DHIA include: president, Charles Irons; treasurer, Lawrence Stratton, Jr.; secretary, Ray Dillenbeck; directors, Orton Kinney, Lester Lapp, Gene Mantz; testers, Richard Ludwig and Dan Detrick.

The following herds averaged more than 650 pounds of butterfat:

John H. Lapp	H	33	86 9	17,121	662
Orton Kinney	H	28	84.9	16,935	654

Smoker tops Potter Co. DHIA

COUDERSPORT — Ivan Smoker and Sons finished at the top of two catagories at the end of the Potter County DHIA testing year.

The Genesee family turned in a top report of 21,900 pounds of milk and 801 pounds of fat on 99 registered Holsteins. In addition, Smoker claimed the high cow for milk this year. Lizzie, a 5-year-old, finished with 29,037 pounds of milk.

Guy Dunn of Coudersport owned the top cow for fat. His 9-year-old registered Holstein Baby finished with 1,118 pounds of butterfat.

The following herds finished with more than 650 pounds of butterfat:

Ivan Smoker & Sons	RH	99.0	88.3	21,900	801
Ivan Kibbe Jr.	RH	90.0	89.0	17,991	728
John C. Traub	R&GrH	40.5	87.2	19,011	684
George Barker	RH	59.1	86.6	18,171	680
W.H Currier	RH	63.2	86.0	18,124	675
Jack Thomas Sr.	Mix	39.8	87.3	17,965	661

Pig programs for computers

COLUMBIA, MO — Swine producers now have access to new computer programs that could help them greatly improve their management efficiency.

"We've finished a 'sow productivity' index' which can help producers cull poor producing sows and select gilts from the best mothers," said George Jesse, University of Missouri-Columbia animal scientist.

"The index used is an indication of the sows' prolificacy (litter size) and mothering ability (milk production).

"The program also includes lifetime reports on the individual sow and her offspring to weaning, all her litters, the sire, date farrowed and the sow productivity index compared to the rest of the sows farrowing in that group."

Jesse said the index is one of eight computer micro-programs for swine that will be developed by the end of the year. The others deal with feed efficiency, swine sales, sow indentification (ancestry data), feed expenses, veterinary expenses, swine inventory and a breeding worksheet.

"Each computer program is independent, so we don't need large computer memory or capacity. Also, the eight independent programs allow the producer to choose."

Jesse said the best part of these programs is that they can be personalized for producers.

"A product may not agree that everything in our program is appropriate, but now at least he or she has a base to start and can make adjustments from there."

Jesse said the sow productivity program is already available commercially and the others will be shortly. Those who want details can contact him at the Department of Animal Science, 125 Mumford Hall, University of Missouri-Columbia, Columbia, Mo. 65211; 314-882-2644.

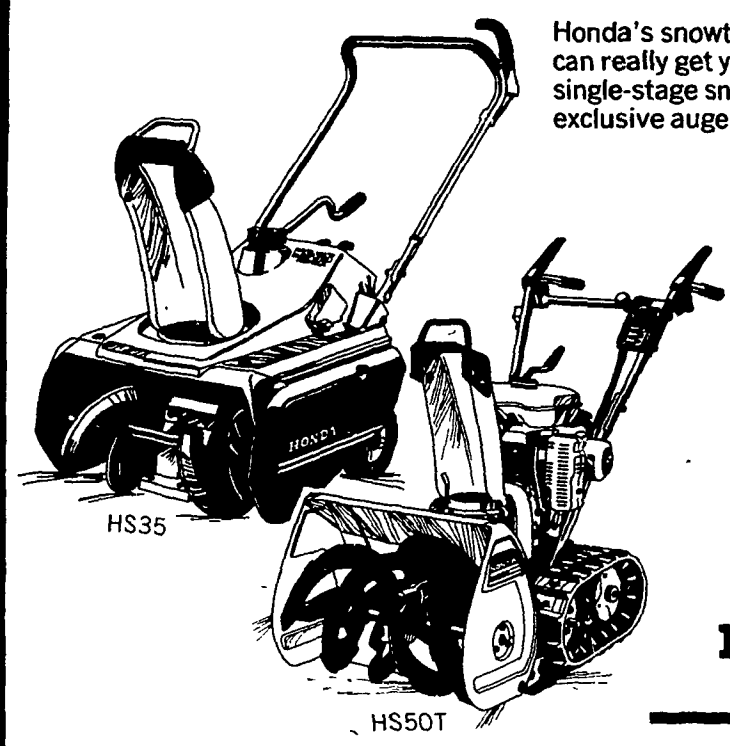
THINK AHEAD...
Read Futures Markets on Page 3.

BOMBERGER'S

HONDA

SNOWBLOWERS AND GENERATORS

MORE QUALITY FOR THE PRICE



HS35

HS50T

Honda's snowthrower and snowblowers can really get you out from under. Our single-stage snowthrower has an exclusive auger paddle system that's semi self-propelled and strong enough to break through hard snow.

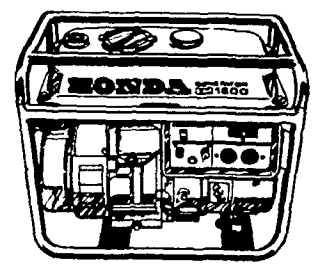
And our new, 2-stage 5 HP heavy duty snowblower features a choice of wheels or tracks for greater snow-gripping ability than most conventional models.

HS-35
SINGLE STAGE
SELF-PROPELLED
List $429
SALE
$369.00

HS50T
TWO-STAGE
SELF-PROPELLED
(Track Model)
List $978
SALE
$849.00

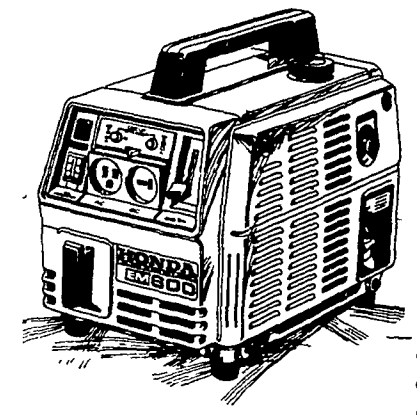
IT'S A HONDA

1600 WATT GENERATOR



- 1600 watts maximum
- DC voltage (battery charging)
- Oil-alert system (Engine shuts off when oil level low)
- 7.7 hrs. running time on one tank

List Price $579 SALE $529



600 Watt
GENERATOR
AC/DC
List $389
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- Great Christmas Gift
- Great For Camping
- DC Voltage for Battery Charging
- Will Run Light Power Tools
- Oil-Alert System
- 4 Hr. Running Time On One Tank

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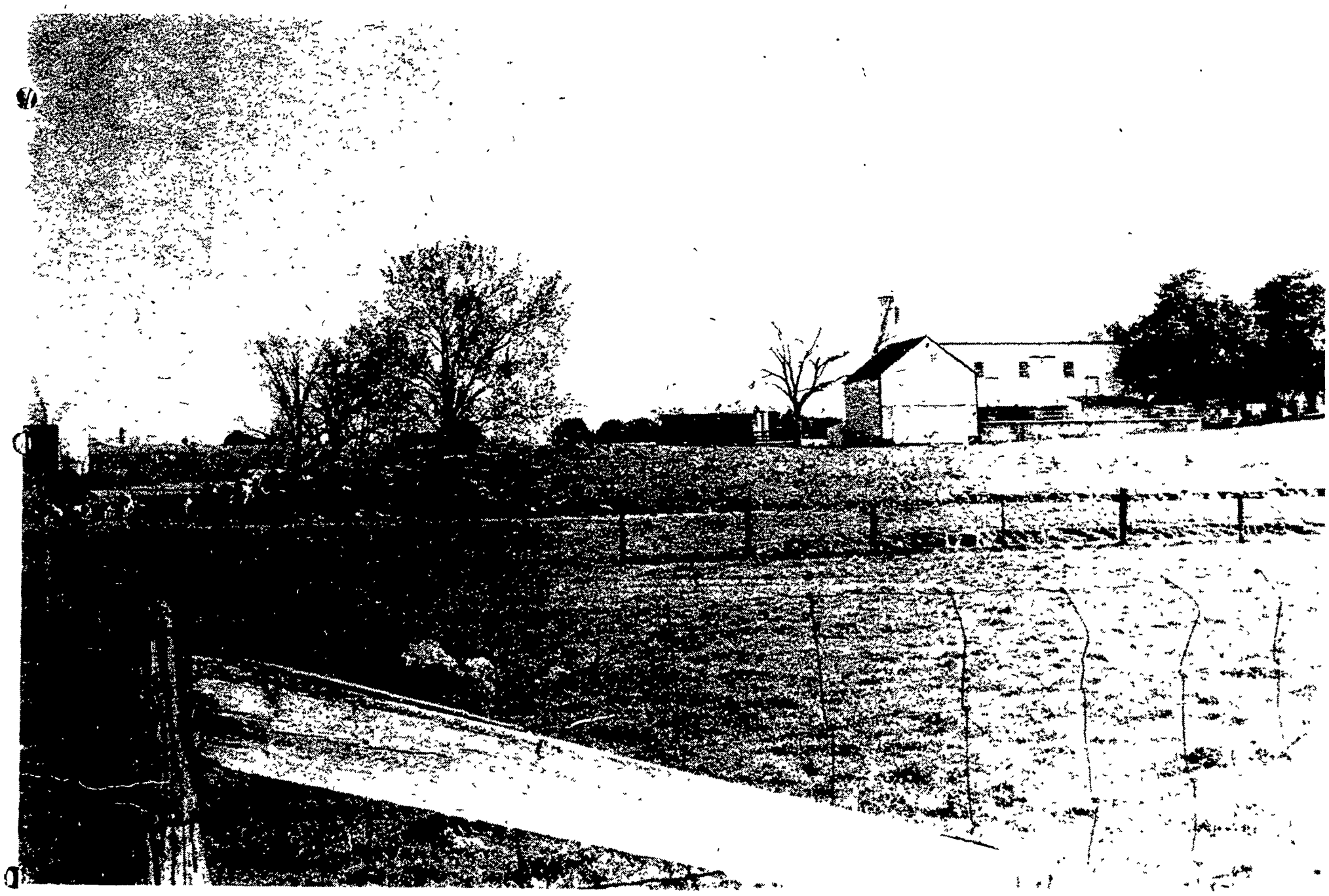
Monday, Thursday, Friday 'til 9:30
Tuesday, Wednesday, Saturday 'til 6:00

Bomberger's

BOMBERGER'S 717-665-2407 ELM, PA



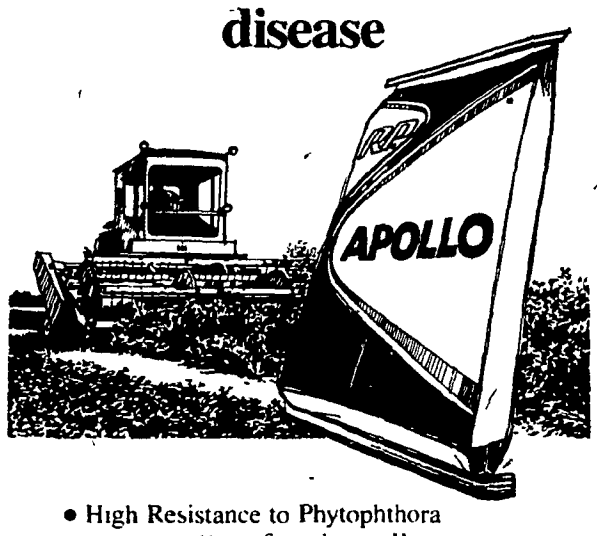
Hinkletown, Lancaster County

ROHRER'S

Distributors for RP forages from NAPB

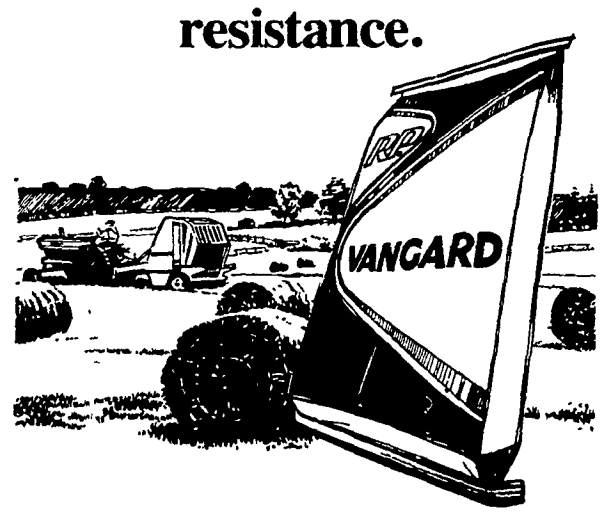
(North American Plant Breeders)

Your first choice to beat "wet foot" disease



- High Resistance to Phytophthora root rot—"wet foot disease"
- Very high yield potential
- Excellent winterhardiness
- Rapid recovery after cutting
- Greater resistance to anthracnose, pea aphids and leafhoppers than most other alfalfas.
- Available with GroZone™ Seed Coating

Ahead in yields *and* anthracnose resistance.



- Fights "summer decline" caused by anthracnose
- Proven yield leader
- Early maturity; fast regrowth
- Good bacterial wilt resistance
- Fine stemmed, leafy forage
- Available with GroZone™ Seed Coating

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Phone (301) 334-9060
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Raymond Brown III
Phone (301) 346-7209

P. L. ROHRER & BRO., INC.

Smoketown, PA
PH: 717-299-2571

Control ringworm in horses

UNIVERSITY PARK — Ringworm is a fairly common form of dermatitis or skin inflammation in horses. The name comes from the shape of the lesion, which is usually an enlarging circle of inflammation.

The infected area has moderate swelling, the hairs stand erect, and a dry crust develops. Despite the name, no worm is involved, says L. Dwight Schwartz, Penn State Extension veterinarian. Rather, the infection is due to a fungus called Trichophyton.

Ringworm can occur during any season of the year. It's spread by direct contact, including the use of contaminated grooming equipment and tack. As a result, the lesions are most common at sites that are contacted by tack, especially when several horses are worked using the same equipment.

Regular cleaning of tack and grooming equipment can reduce the danger of spreading ringworm or any infectious dermatitis. Individual saddle pads and girth covers also can greatly reduce the spread of infection within a stable. Those precautions should be routine among horsemen.

Once a dermatitis occurs, it's necessary to determine the type of infection involved before effective treatment can be prescribed. Because this may require skin scrapings, hair sample, cultures or even biopsies, Dr. Schwartz recommends calling your veterinarian. A specific diagnosis will result in a more logical approach to treatment.

Many horseowners use topical medications to treat skin infections. However, cortisones are frequently incorporated in skin medications and may cause the ringworm condition to worsen. Similarly, antibiotics are ineffective against fungus diseases. They may even make the situation worse. Specific antifungal medications are effective and recommended by most veterinarians.

More general-acting systemic medications are less routinely used for treating skin problems. However, if a case of dermatitis happens to be a mixed infections containing both bacteria and a fungus, systemic antibiotics may be indicated.

As with most disease situations, a diagnosis is the first step in proper treatment. A veterinarian is best equipped to provide a diagnosis and then to administer or prescribe proper and effective treatment.

MAILBOX MARKET

For Sale 15 individual sow feeding stalls, made of steel 717-382-4426

MAILBOX MARKET

Wanted - 225X plate mill Letz mill for parts Ammon M Nolt East Earl R D 2 Pa 17519

Wanted - Used parts for Badger barn cleaner transmission. Must be reasonable 717-253-5924

For Sale - Market wagon, fair condition, $600 00 Christian L Beiler 68 S. Weavertown RD Ronks, Pa. 17572

Wanted - Top link assembly for 3 pt hitch JD 50 tractor, also JD 420 or 430 tractor in good condition. 717-586-0145

For Sale - 4 Holstein steers 600-800 lbs asking 54 cents 717-865-2536 Leb Co.

For Sale - 1800 Int. 8'x16' grain dump 3½' sides, 2 cyl. hoist 10 00x20 tires 30,000 gross exc. cond Warren Co. NJ 201-637-4482

For Sale - 2 Reg angus, bull calfs Exc blood line 717-752-4040 Luzerne Co

For Sale - 1960 GMC 4000 new 15' bed hay and cattle truck, no rust $1200 Leb. Co. 717-865-3735

For Sale - Chester white and hampshire boar 1½ years old. York Co 717-382-4450

For Sale - Boggs potato grader excellent cond 301-452-5122 evenings Harford Co.

For Sale - 900 gal. Mueller tank, free heater & washer like new, also barn cleaner, water bowls & cow mats Lanc. Co. 215-445-6453

For Sale - Valiant son 1 yr Dam 84 pt. 4 yr record 23718 4 7 1106 2nd Dam VG85 records to 27551 4.2 1150 York Co 717-792-3851

For Sale - Two Registered Appaloosa bay colts 7 months old $400. 20 months old $700. Dwarf Rabbits $5 ea Cumberland Co 717-776-3342

For Sale - Standardbred carriage horse 4 yr old acclimated and broke $600.00 Samuel M. Stoltzfus Lanc. Co Kirkwood #1, Pa.

For Sale - Log Saver and King wood and coal heating stoves Amos L Stoltzfus Strasburg RD 1 Box 215 Pa

For Sale Starline tank manure spreader $250.00 Westinghouse electric welder 180 amp $85 00 Northumberland Co 717-275-2367

For Sale Feeding hay, timothy, alfalfa, alfalfa mix, clover mix, will deliver. 717-799-5306

For Sale - Nearly New tracks for D2 Cat. 31 links 12" Grousers $1000 00 Union Co 717-922-1135

Wanted - One pair of good used 13 6 28 rear tractor tires 717-532-3736

For Sale NH 469 haybine, Farmall M, Dunham 7' cultipacker, Farmall H, Acorn 18" barn cleaner, Dauphin Co 717-365-3562

For Sale Reg Holstein cows and bred heifers Clifford LeVan RD #3, Box 64 Milton, Pa 17847 Northumberland Co 717 742-7008

Wanted - M&W pistons and sleeves for Oliver tractor models 88, Super 88, or 880 gas Any condition 717 866 4802 Lebanon Co

For Sale Antique hand corn fodder cutter or straw cutter, signed H&D York PA best offer 717 275 0228 Montour Co

For Sale - Katahdin potatoes Size B from foundation seed Wanted John Bean grader David Lapp RD2 Box 272 Myerstown Pa 17067

For Sale Century 295 Amp welder new $295 00, used Smidley & Middle Creek Hog feeders offer New Holland 310 baler like new $4300 00 215 589 2966 717-866 4185

MAILBOX MARKET

For Sale - Fully mounted cordwood saw to fit JD 2 cyl tractor $25.00 Berks Co 215-488-1597

For Sale - Monarch Combination kitchen range coal, wood and electric. Duo oven, reasonable Montgomery Co. 215-489-9692

For Sale - 1973 Ford van, customized. Stove, fridge, sink, bed, captain chairs, skylights, bronze & blue $1395.00 Chester Co. 215-469-9108

Wanted - NH 202 used manure spreader & tob bale boxes. Samuel Stoltzfus Rt 7 Box 298 Coatesville, PA 19320

For Sale Purebred Black Angus bull, 18 months, field-raised, $1000 Chester Co 215-869-8928

For Sale - AKC Pekingese pups will be ready for Christmas, 2 female, 2 male Lanc Co. 717-656-9734

For Sale - 12 H.P. Wisconsin engine w/starter $180.00 York Co. 717-792-1635

For Sale - Riteway coal and wood stove, good condition. Stephen Beiler, Box 222, Christiana, RI, Pa. 17509. Near Kirkwood

For Sale - Small turkey or chicken picker, good condition, no motor, $65.00. 717-741-1481 York Co.

For Sale - Fiberglass pickup, hydraulic brakes and lights. Sol E. Stoltzfus RI Box 192-A1 Paradise Pa 17562 Lanc. Co.

For Sale - Galvanized gate - A-1 condition. Lanc. Co. 717-393-1818

Wanted - corn sheller tractor powered or similar type. For sale, good dairy hay $110/ton Weidler Grube Lanc Co. 717-898-7849

For Sale - Gehl 1090 haybine used 3 seasons, limited acreage. Excellent $4500 00 Lanc Co 717-626-5181

For Sale - Oliver 2 - 16 trip bottom trailer plow HY lift $250 00 Brillion 8' cultipacker $125.00 York Co. 717-235-2032

Wanted - 1949 truck license plate Good condition Berks 215-678-2253 evenings

Wanted - 54 inch bucket for Melroe Bobcat Lanc Co 717-656-6727

For Sale - Viel rock rakes and front end rock pickers All sizes 10% discount Hoover's Rock Eq 717-536-3597 Perry Co

For Sale - Litter carrier and track and geese live or dressed. Jacob L Miller Bird-in-Hand, Pa Mill Creek Schl Rd

For Sale - JD Rider cultivator 3 point saw buck cultipacker. NI manure spreader PTO, AC plow, Oliver Radex trailer plow 717-786-3618

For Sale - Electric hdy-lift for snow plow 12 volt $195 00 Lanc Co 717-288-4770

For Sale - Registered Saanen burk, Registered Nubian bucks, also Pygmy buck kids Adams Co 717 359 5165

For Sale - Guineas, live or dressed this week if you can 717 687-8041

For Sale - 5 Dekalb bred gilts due in 5 weeks also new carriage harness used 3 times 717 354 5039

For Sale MH 22 w/3 point hitch, hyd & cult good rear tires, runs good $600 00 or best offer 717-386 4324

For Sale Oliver Superior Grain drill size 11x7 disc w/fertilizer att Steel wheels for tractor or horses $275 00 215 323 8788 Berks Co

For Sale JD #400 grinder mixer 1,000 RPM 16 9x38 tire 8 ply 75% tread, new head for JD 4030D Adams Co 717 528 4914

MAILBOX MARKET

New Campbell - Hausfeld 5 h.p. Two Stage Air compressor w/unloader $635.00. Fisher Engine Service 3141 Old Philadelphia Pike BIRD-IN-HAND, PA 17505

For Sale - 2-3 and 5 Burner New Perfection oil stoves, Gideon Stoltzfus RD 1 Blain, Pa. 17006

For Sale - Two 7200 BTU Kerosun Radiant heaters Also, 2 55 gallon drums, full of clear kerosene Lanc. Co. 717-367-9295

For Sale - 11 young bred Reg. Hampshire ewes. 1 Reg. yearling ram excellent bloodlines, must reduce numbers 717-258-6217 Cumb. Co.

For Sale - Surge Pulsators (5). Surge control unit and dividers, Gehl 72 field chopper w/blower 717-867-4495 Leb. Co.

For Sale - Goat milking stand, with feed box & side seat. very nice $50.00. Also % B Longman buck service Perry Co 717-567-3554

For Sale - 1850 Oliver D WF over under shift. JD 5x16 semi-plow 215-267-6636 Lanc. Co.

Wanted - Tractor tire chains, 13.5x38/15 5x38 in good cond. Also weights, front & rear and front weight rack for MF 65 Berks Co. 215-926-4845

For Sale - 2 breaker boxes 150 & 100 amp; antique wheat wagon on rubber David B. Zook RD 1054-F Bethel, Pa. Berks Co 19507

For Sale - NH 3 pt. Cordwood saw w/belt for rear mount pulley. Also Gil-bilt shaper. Lanc. Co. Pa. 215-267-6511

For Sale - Saddles - Youth, Western and English. Also A.Q.H.A. Gelding by Sheik's Revew in training. 1974 Skidoo snowmobile, Berks Co. 215-683-5269

For Sale 4 yr. Thoroughbred/Quarterhorse Gelding. and 3 yr. Thoroughbred Filly Both 15.2 hands, green broke, and $1500 each. Perry Co. 717-567-9235

For Sale - Thirty Eight Clay Sow Feeding Stalls Used two years nice condition, Leb. Co. 717-865-3155

For Sale - JD #9 7-foot sickle-bar mower, 3-pt. hitch, 3 knives, parts, $100 717-792-3235 York Co

Attention Dairymen. Would like to feed your yearling heifers in my barn Call for more information Lancaster Co. Elizabethtown area 717-367-3111

Free Female German Shepard good watch dog Leb Co 717-865-4304

For Sale - Coleman gas lantern Enterprise, 22 meat grinder, JD left hand 1341 plow shear 717-354-0616.

For Sale - Hog or chicken manure, agitator, pump for 6' pit like new Elmer K Glick RD#1, Box 276 Gap Pa Lanc. City 17527

For Sale - JD 24 skid loader, engine overhauled, 717-653-4023 Lanc. Co

For Sale - AC-WD with rear mounted twin wheel sickle bar mower tractor runs good, needs paint $700.00 Lanc Co 717-665-5294

For Sale Miscellaneous steel wheels from horse equip, stainless steel scales 300 lb York Co, evenings 717-292 4245

For Sale - Craftsman 10" Radial Arm Saw $150, 10" table saw $75, 6" Planer w/out motor $85 Berks Co 215 987-3761

For Sale - NH 202 manure spreader good condition $850 00 Isaac S Lapp Box 419 Ronks #2 17572 North Star Road

For Sale - 3 crossbred ewes $50 ea. spring 1 ewe Reg Dorset ewes Ramsted Dorsets Boyertown 215 367 7189

MAILBOX MARKET

For Sale Large Registered Holstein heifer, due Dec. 29th. Dam is good plus w/over 19000 M and 700 F 717-328-3530 or 328-5487

Notice. will board heifers this winter. $1.25 per head per day includes feed. E-town Manheim area. Lanc. Co. 717-665-7284

For Sale - Case 1537 Skid loader $2500. JD 60 tractor 3 pt. PS and hyd. $1200. 215-598-7357 or 598-7546

For Sale - Moss wood burning stove (air tight) 717-784-1967 Columbia Co.

For Sale - 4' concrete hog slats and a Wic bedding chopper David K. Lapp 379 Centerville Rd Gordonville, Pa 17529

Wanted - An army truck 8 poles 6x6x16. For Sale - straw 717-367-3103 or 367-6935

For Sale - Pure Aberdeen Angus Bull (no papers), 4 yrs. old, 100% proven breeder $800 Snow blower for Jacobson Chief 1-717-653-1714

Wanted - Some relief milking and farm chores done in exchange for house rent. April 1, Manheim 717-665-6842

Notice - Experienced herdsman willing to milk weekends and holidays. Ref. available. Lanc. Co. 215-445-5770

For Sale - Int. 4166 4 WD tractor. Farmall A with cultivators $1200.00 Leb. Co. 717-933-4062 or 717-933-8853

For Sale - TD9 for parts engine runs, Oliver 88 Diesel engine for parts. Berks Co. 215-683-7922

For Sale - Truck body van with lift gate - Diamond plate floor - overhead door 18' long good cond. Bucks Co. 215-968-6326

For Sale - AKC Registered beagle pups and older dogs. For pets, field trial, $175. after 5 p.m. 215-754-7201. Montgomery Co.

For Sale - Registered Holstein bull sire - Molly Chief Dam - Pennstar bootleg 3 mo. old $250.00 Lanc Co. 717-426-1030

Wanted - Used twin tubs in good condition also some school desks for sale Lanc Co. 215-445-5887

For Sale - Jukar 45 calibar muzzle loader, accessories, $125, Sony, reel to reel recorder, $75, Canon camera, 717-653-2585 Lanc. Co.

For Sale - Storm front carriage; Keeshound pups AKC Benuel M. Fisker, New Holland, RD2, Pa. 17557. Peters Rd., Lanc. Co.

For Sale - Case 310 crawler loader $4,000 good condition, after 7 p.m. Delaware Co. 215-494-4746

For Sale - Feeder pigs 35 hd., 1's & 2's Lanc. Co. 717-354-8238

For Sale - MH #60 combine, good motor, whole or for parts 717-927-9147 York Co.

For Sale - AKC Doberman Female Puppy - 12 wks old Black & Tan Good farm Dog $125 717-376-4971

For Sale - Bearcat grinder-mixer evenings 717-334-1501 Adams Co

For Sale 5 year old Standardbred buggy horse safe & sound, $750 00 Also welding & engine repair Ben Stoltzfus, Kinzer Rd, Paradise, Pa 17562

For Sale - 16' Stake body 717 532-6619

For Sale - 2-12x40 Ag Star pig nurseries self contained pits. 24 5x32 tires on JD wheels for 10 lug hub Wanted or would trade for 18 4 x 38 Berks Co. 717-866-4280

For Sale - Border Collie puppies, 8 wks old, not registered, $50 ea 717-259 9459 after 5 p m.

MAILBOX MARKET

For Sale - 1973 Vega engine complete, 1973 Vega Hydromatic transmission with torque converter $50 ea. Chester Co., 1-215-932-4728

For Sale - April '82 Reg. Morgan filly, chestnut, diamond blaze, should reach 15.2 h $800. Half-Morgan filly, Fulton Co. 717-485-3603

For Sale - New fuel injection pump for JD 4230 Diesel, Robert Bosch. 14 pr. house shutters 14x67 Franklin Co. 717-352-2266

For Sale - NH Super 67 baler w/thrower, good cond. 9N Ford tractor w/step-up trans. Berks Co. 215-562-3116

For Sale - LA Model John Deere Tractor with cultivator and plow call after 5:00 p.m. 215-683-8196 Berks Co.

Wanted - Tires for Farmall Cub 8x24 or 7:50x24 or 9.5x24 Call or write Ed Evans RD1 - Birdsboro, PA 19508. 215-582-4639

Wanted - 4x16 semi mount plow also four row corn planter. Lanc. Co. 1-717-859-2421

For Sale - 1250 Cub Cadet tractor with 44" mower in good condition. $1850. Call 215-683-3154. Berks Co.

For Sale - Daughter of Ivanhoe Jack, Due Dec. Dam was daughter of Kingpin, Bred to Valiant Elvan. Perry County. 717-789-3170

For Sale - Calf hutches oak and hemlock fence boards sawed locust posts used chain saws chain saw and log splitter 717-442-8972

For Sale - 1978 Trans. Am black, T-tops, auto., 915, PS, PB, Tilt, RWD, Blaupunkt AM-FM Cass. $5,900 Lanc. Co. 717-367-2027

For Sale - 1979 Ford F350 4WD P/U 400V8, 4 spd., P/S, P/B, A/C, Cattle Sides. $7600. Lanc. Co 717-768-8529.

For Sale - 16 - Very nice old deeds dated from 1855 - 1924 asking $75.00 for all. 717-652-2930 Dauphin Co.

Wanted - 13" Papec Hammermill in good condition, State Price and location. Eli Y. Zook B194. Milroy, Pa. 17063

For Sale - JD 490 corn planter 30" 38" rows. Good shoes hydraulic cylinder plates. $425. best offer. Union Co. 717-922-1650. 717-922-1034

For Sale - Farm 125 acres in Lebanon Co. (south of Rt. 322) on Dec. 16, 1982. 717-867-4948, for more details

Wanted - NI manure spreader web 206; For Sale NI 206 spreader $695. 3 pt. cultivator $297. NH 450 mower. 717-354-0266

Wanted - Cab high cap for Ford F-100 pick up truck, Greenville, DE 302-994-2996 before 8:30 a m. or aftr 7.00 p.m.

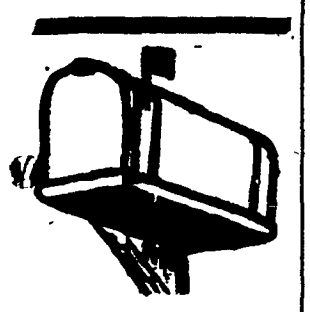
For Sale - Suburban, automatic wood furnace connect to existing furnace $350.00. Brick face mobile home skirting Ephrata, Pa. 215-445-6885

For Sale - Nanny goat 7 mo old French Alpine X Toggenberg cross from good milker $40.00 Lanc. Co. 717-394-3607

For Sale - 8x12 flatbed wagon $150 00, Oliver grain drill, bin wagon, table silage blower, V-type & angle snow plows 717 345-4882

For Sale - 1970F Mack Tractor 673 - 15 speed Triplex, Single Axle, Runs Good, best offer over $2500.00, Perry Co. 717 444-3034.

For Sale - Six Surge Orbit milkers w/stationary pulsators; Surge solid state pulsation control, Equalizer II vacuum controller, Acorn Barncleaner 215-754 6241.



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Limit your advertisement to 20 words, area code must be added to phone number and, due to repeated requests, please include your county for buyer and seller convenience, all advertisements must be mailed to the office by Tuesday or same will be held over for next week's paper; no business advertisements accepted

Include your Lancaster Farming mailing label and mail to.

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Lancaster Farming
P.O Box 366
Lititz, PA 17543

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Calls Please

MAILBOX MARKET

For Sale - Rockwell 10" Tilting Arbor Saw with two blades. Used less than 8 hrs. $150.00 Lanc. Co. 215-267-6174

For Sale - Roll bar Toyota pickup truck $75 00. Two single mattresses $10.00 each. Lanc Co 717-569-9991

For Sale - Goats - young billies and bred nannies - different ages. Gale E. Stone RD1 Box 315. Loysville, Pa 17047

Wanted - John Deere 430 crawler w/3 pt. and blade Somerset Co. 814-926-2205 after 5 p.m.

Wanted - 6 pane barn windows - 8" x 10" size glass York Co. 717-229-2797

Wanted - ½ h.p. Sumersable deep well water pump, good condition, any parts to Jacobson engine call collect at night 919-237-0012.

For Sale - Beautiful Norway spruce trees all sizes. NH wagon w/7½x16 flat bed, will trade for gravity bin wagon. 717-328-3832

For Sale - 1978 Yamaha 750CC new battery, new tires, stainless steel milk strainer storm door aluminum 717-739-4636. Schuylkill Co

For Sale - Two forward seat English saddles; both 17" seats w/suede knee rolls, leathers, and irons, 717-898-8420. Lanc. Co.

For Sale - Belt pulley attachment including Rockwood pulley from Farmall 400, will fit various other models Berks Co. 215-856-7542

For Sale - Antique iron lightpost $200.00. Large copper kettle $200.00 David Huber 2176 New Holland Pk. Lanc. Co, PA 17601.

For Sale - NI #10 manure spreader, excellent cond. call morn. before 8 a m or even. after 7 p.m. 717-944-3044 Middletown

For Sale - Sprout Waldron Molasses. Blender and mixer. $500.00 Lanc. Co. John B. Zook. Noble Rd. Parkwood 17536

For Sale - Elevator NI 36 ft. like new 301-666-0079 7 a m.

For Sale - Firewood mixed hardwood, $35 per pickup load approx. ⅓ cord. Friendly, free delivery in Lanc. area 717-354-8832, weeknights.

MAILBOX MARKET

For Sale - Unusual gift for German speaking families, 750 piece jigsaw puzzle - game, $6.50 p.p Moses Renno RD2 Mifflintown, Pa. 17059

Wanted - Manure bucket to fit International 2000 front end loader. Call after 5 p.m. 301-465-5677 Howard Co. MD

For Sale - 6-4'x16' woven wire pig nursery pens 10 flameless heaters for piglets. Amos S. Zook Delta #2 Pa. 17314

For Sale - 100 auger feeder with brackets, 400 gal. Zero bulk tank 3 hp. compressor York Co 717-235-6460

For Sale - Georgia land in beautiful mountain wonderful climate. Troutstream lakes, good hunting 3½ acres & up 803-882-4027 Bill Long

For Sale - Fine fleeces from our flock - Black Corriedale greasewool, white Corriedale roving Black lambs ready Feb Mar. Chester Co. 215-932-9638

For Sale - Mc hammer mill w/power unit. engine needs work $200. Benj S King Metzler Rd Ephrata, #2 PA 17522

For Sale - IH 4386 w/450 hrs., 30.5x32, heater, air, IH 490, 24'7" disk, Krause 13'9" chisel plow 717-528-4343 Adams Co

For Sale - York Co., Australian Shepherd puppies, shots & wormed, Blue Merles, tri-colored, red & white, black & white 717-252-2291

For Sale - Farmall 400 tractor wide front good. cond. $1200 609-935-5473. after 5 Frank Catalano RD 1. Salem County 08079

For Sale - Oliver 70 Exc. cond new valve job, new paint, runs well. $700. Lehigh Co. 215-298-2837

Wanted - Narrow front for Massey Super 85 or 90. 42' Roof trusses and 40' of 12" I-Beams. Dauphin Co. 717-367-2033

For Sale - 4 unit Surge milker (3 Reg. & 1 large) straps, extra inflations and hangers 814-349-5117 Centre Co.

Wanted - Approx. 250 gallon round tank, stainless or fiberglass, suitable for veal feed. Lanc. Co. 717-284-2740

For Sale - McCormick - Deering binder. Oscar M. Carr Berryville, VA 22611.703-955-1911 Clarke County

For Sale - 1978, XL175 Honda motorcycle, 1982 ATC 175 Yamaha Cambria Co. 814-674-8584

For Sale - Two - four-can Wilson milk cooler cabinets Write P.O. Box A95 Brodbecks, Pa. 17329. York Co.

For Sale - Registered bull, sire Fleetridge Monitor. Dam, Leaderwood Chief Joan. Moses Huyard New Holland Pa. RD 2 Box 785 17557

For Sale - Heavy duty Delta&Rockwell wood shaper, single phase, worth $1600, will sell for $900/best offer. 215-275-7170

For Sale - Two male Rottweiler puppies 6 weeks old AKC registered one Boston Terrier 3 mo. old. Lanc Co. 717-733-9285

For Sale - Fifteen hole nests, good condition. $2.00 a piece. Lanc. Co. 717-733-7132

For Sale - 1 yr. old Morgan Saddle bred colt. Urie P. Stoltzfus 1359 Hilltop Rd. Myerstown, Pa. 17067. Leb. Co.

Wanted - Magnetic feeder w/magnets also cattle water fountains w/heat units. For Sale - 4 Sta-rite weigh jars. 717-374-8750. Snyder Co.

For Sale - One Chestnut 4 yr old Morgan mare Western saddle, gentle. Echodrive farm Garrattsville New York Otsego Co. 13342.

MAILBOX MARKET

For Sale - 2 and 4 cyl Wisc engineers, AC B - 1 2 5 Stephen S. Fisher Box 114, RD 1 19352 Lincoln University, Pa

For Sale - For Christmas Express wagons 16"x32" bed, auto turn, $42 00 each Harvey Y. Hoover RD3, Ephrata, Pa Diamond Station Rd

For Sale - Three grade holstein heifers due in Dec. JD model 400 snowmobile, good condition, low mileage, Lanc Co. 717-665-3318

For Sale - NH 346 R barrel 200 bu. NH 328 hyd 140 bu. NH 512 175 bu. used very little, 607-785-4945

For Sale - 1971 Chev. 4 WD truck, flat bed w/sides, 327 hi performance V-8, power steer-brakes. $1500 York Co. 717-757-2960

For Sale - Real nice Simmental Cow, Sire Toni, due Feb., Char. X Hol cow weaned 730 lb. calf. 717-734-3761

For Sale - 1965 International 1 ton dump truck, good running condition $1200. Wanted - Four peafoul hens 717-776-3682. Cumb. Co.

For Sale - Black & white pony gelding safe for children $200. Perry Co 717-567-9773

Wanted - Someone to dismantle old farm building. terms negotiable. Montg Co 215-933-6401

For Sale - Badger barn cleaner, 230' chain, good condition. $600. or trade for equal value feeder cattle. Union Co 717-966-1561

For Sale - Reg. 4 mo. son of Marvex from good cow family $250 4 Gay Ideal Semen. 717-532-2700. Franklin Co.

For Sale - Registered 3 yr quarter horse gelding. sound, no vices, not for beginners sorrel color $1,100.00 Lebanon 717-273-1106

For Sale - Concrete pipe 10"x48", $8 00 a piece and 12"x48" $10 00 a piece. also 52 gallon water heater Berks 717-933-8541

For Sale - Northco magnetic feeder with magnets - Carroll Co. 301-374-4213 after 7.00 p.m.

For Sale - NH 273 hayliner baler exc. cond. $4000 400 gal. Wilson bulk tank w/new compressor Cecil Co. 301-658-6213

For Sale - 2 Row Champion potato digger - $850 Located 17 miles south of Baltimore call bet 5 9 301-969-5909

For Sale - Eggmatic egg candler & grader, fire sizes X Lg - Lg, med - ullet 8 small good cond. 301-374-2570 Balto. Co

For Sale - New Riteway Model 2000 stove $275.000 Can deliver. York Co 717-229-2522

For Sale - 32x60 tobacco shed. Gap, Lanc Co Leroy M Stoltzfus 717-442-8327

For Sale - 1969 Mustang Convertible new paint - tires; P.S., V8, automatic, $2800. Bucks Co. 215-536-0598

For Sale - 2 Minnich tob pressers, new Riteway wood heater Israel S. Beiler RD #1 box 117 Christiana, Pa. 17509

For Sale - 7½' Myers snowplow 31" high w/hyd. angle also with pump and lights $500.00 717-244-2016 York Co.

For Sale - AC WD45 on rubber, just overhauled John S. Stoltzfus RD1 Christiana, Pa. Box 235 17509 Lanc Co.

For Sale - 4 Angus cows and 1 angus bull cows bred to calf after 6 00 p.m. 609-965-3087 Atlantic Co, NJ

For Sale - NI 213 single beater manure spreader w/graetz web fine litter pan flotation tires Lanc Co. 215-445 4605

MAILBOX MARKET

Wanted to buy - Mustang convertible must be in good condition priced under $3,000 00, write Mustang Box .17 Champion, PA 15622

For Sale Natural colored sheep, dual purpose Harford Co MD 301-557-9311

For Sale - 1976 Heavy ¼ ton Chevy, 48,000 miles, nice, $3,700, trade for large truck for hay, livestock, Carroll, 301-848-3130

For Sale - Ford 9N tractor very good condition Wards Walk Behind Tractor w/rotary mower, 301-836-3491 after 6 p.m

Wanted to trade - Farmers mother wants to trade labels & coupons for jars to can in, call after 1 p m In Chester Co 215-932-3425

Notice I will sharpen hand, chain and circular saws. Noah W Leid 1 mile east of Fivepointville on Leid Road.

Wanted - Pre 1955 Standard tread 2 or 3 plow size tractor w/wo loader James Sibert 374 Sibert Road Gettysburg, Pa. 17325

Wanted - Used Riteway wood and coal heater model 37 717-432-4597, or write E. Luther Baum, R#2, Dillsburg, Pa 17019

For Sale - 210 bu. New Holland manure spreader with hydraulic end gate. $1500 Leb. Co 717-933-5570

Wanted - Hired youth for spring of 1983 15 or 16 years old John David Zimmerman R1, Millmont Union Co 717-922-4183

For Sale - Cavity pump, ⅓ to ½ h.p. motors, 6 HL slim scanner 5 gal. of grey & red primer, 3 CB sets, Farmall A antique motor scooter without motor, work tables, open cabinets Lanc. Co 717-684-9703

For Sale - 9 month old Hereford bull, stocky strong build, nice markings. Berks Co 215-683-6858

For Sale - Buggy with brakes and rubber fair condition Berks Co 215-683-7902

For Sale - 33 acres open land, some trees, large stream, hard top road, will divide $1000 per acre Union Co 717-922-1410

For Sale front loading 8 can milk cooler, Leb-Lancaster Co Line, offer, 717-865-2037 after 4 p.m.

For Sale - 16 acres home w/basement porch steam heat barn stream and woods RD1 Box 60 Groff Rd Millington, MD 21651

For Sale - 20 acorn levertie stanchions - TWD lines of 10 each Franklin Co 717-375-4279

For Sale - Ford sleeve, piston assembly Fits 172 cu inch gas engine, in original unopened container, $90.00 Somerset Co. 814-467-8839

Wanted - Toy tractors and equipment from the 60's and before. Especially Oliver, MM, and Case Dave 717-768-3554 Lanc Co.

For Sale - Frame - mounted trailer hitch assembly for 1982/83 Dodge pick-up $95 00. 14"xP195 radial recap snow treads, $30 00 pr Lanc. Co. 717-665-5786

For Sale - #327 manure spreader for parts 2 engines out of ¾ ton pickup: 32KBA disk Lanc Co. 717-354-5060

Wanted - Houses, barns and garages to tear down 215-267-4841

For Sale - Trailco 24' aluminum dump trailer $3500 Columbia 717-752-7191

For Sale - Chinese Shar Pei mother and two puppies 215-445-4665 all day Sat or after five during the week Lanc Co

MAILBOX MARKET

Wanted - Snowmobile trailer, preferably light weight For Sale - Allis Chalmers CA - Lanc Co 717-665-3865

For Sale - 20' alum silo roof - very good condition, good used roof slate 9"x18" chicken brooder (215) 377-3749 evenings Carbon Co

For Sale - Manure spreader web, fits NI 12A, very good $25 00 Noah R Shirk R#1 Narvon, Pa 17555 Lanc Co.

Notice - Stolen 11/9/82 on Butler Road 1967 Red & white IH 424 farm tractor, serial #13710, any information call 301-497-3100 Baltimore, MD

For Sale - 2 Grade Belgian colts. 5 months old Perry Co. Jack McGarvey 717-582-4635

For Sale - Kelvinator wringer washer, excellent condition. Also Color TV with almost new picture tube Leb Co 717-272-2533

Wanted - Can cooler or small bulk tank Berks Co 215-689-4124 Daniel H Laudenslayer

Wanted - F-20, F-30, Farmall regular tractor with original adjustable or non adjustable wide front ends Wayne Co. NY evenings 315-483-9419

Wanted - Four milk meters or will consider weigh jars 301-346-7444 evenings or at noon Carroll Co.

For Sale AC tractor, model B, needs work $400. Holstein heifer 18 months, open $500 201 496-4623

For Sale - Two Case 600 combines w/corn heads, duals in exc. $3300 the pair Camden County 609-547-7783. 7-10 p.m.

Notice - Trade - 75 GMC 5 SP GVW 21,000 exc cond. for wheel loader or fork lift 215-723-0386 Bucks Co

Notice - For Rent - storage space for seasonal farm equipment, antique cars, recreational vehicles Cecil—Md. Phone collect 301-658-5521 or 5520.

For Sale - Stereo - AM/FM Radio automatic turntable, 8 track or cassette detachable speakers sacrifice $75.00, Harmony Guitar Chester Co 215-932-5797

For Sale - Canary breeding cages heavy duty, large size, Parrott cage $25 00 Finch decorative cage Chester Co. 215-932-5797

For Sale - 7 short-haired guinea pigs different ages nice pets/Christmas gifts $2 00 each Schuylkill Co 717-345-6278.

For Sale - One manual Royal typewriter in excellent condition 717-354-5658 Lanc. Co

For Sale - John Deere 50 tractor with hydraulic front mtd cultivator $2000 00 717-626 6805

For Sale - Sawbench w/blade fits Ford tractor $150 00 5 HP leaf shreader $200 00 Wisconsin eng Caroline Co Md 301-482-8853

For Sale - Ford tractor 9N w/loader like new tires $1450 Ford 600 tractor good condition $2450 Wash. Co MD 301-824-2159

For Sale - 6206 Deutz on steel or rubber AC, WM crawler Ben J Kinsinger RD 1 Box 234A Meyersdale, Pa 15552

For Sale 1971 IH 574 Diesel new tires and paint w/Sauder loader ground & snow bucket, $6200 00 717-865-2529 Leb Co.

For Sale Four Christmas cactus plants, some buds, to bloom soon Elam E Lapp RD 1 Box 249 Christiana, PA 17509

Wanted 10x38 tractor tires S Chester 215-388-2470

For Sale - Fifteen beef cross yearling heifers, open home raised, on feed Cecil Co 1-301-398-2751

MAILBOX MARKET

For Sale Golden Retrievers AKC. guaranteed healthy, champion lines, 2 litters ready Orwigsburg, Schuylkill Co 717 943 2920

For Sale 6' western snow plow complete Good condition $600 215 688-8974 Delaware Co

For Sale - Barn demolition items, Farmway cleaning sys, 2 sm bulk feed tanks, dairy stantions, roaf slate, Lanc Co 717 898 6114

For Sale - Ford 5000 tractor diesel Select O-Speed make offer call 2 1 5 - 4 4 5 - 5 7 2 5

For Sale - New cutting torch kit $188 50 Compact $125 00 John Henry Nolt N Shirk Rd New Holland, Pa 717 354-5691

For Sale Honey, various sizes and flavors available - special 48# buckwheat container $32 00 Lanc Co 717-786-3298

For Sale - Metal desk $50 or trade for? Bill Schilling, 31 Hendricks St Ambler, Pa. 19002, 215-643-6577 after 5 p m

For Sale - 3½ yard dump truck body, 8' hyd power angling plow call before 9 a m 201-752-8639 Middlesex Co NJ

Notice - Rent, cozy log cabin, sleeps 6, water front, inddor pool John Bohm, 6 Waverly Rd, Cherry Hill, NJ 08003

Wanted - Sprayer for spraying trees, at least 45 feet in height 609-983 9637

MAILBOX MARKET

For Sale 1 1000 gallon Mueller tank, Mod rn M 1000 and compressor and tankwasher Morris Co NJ 201 584-4360

Wanted - 1982 1983 Century Buick or Cutlass Sierra car For Sale 1972 Chevy car, fair condition 717-354 7419 Lanc Co

For Sale - 2 wheel hydraulic dump trailer 6½ ft x 7½ ft x 2½ ft with heavy hydraulic cylinder, $250 00 Northampton Co 1-215-863-9412

For Sale - Victor adding machine like new $35 00 717-733-2808

For Sale Gehl MX65 grinder mixer 2 screens & magnet good cond Lanc Co 717-354-0018

For Sale - FD ch sired beagle pups, popular blood lines $50.00 Lanc Co 717 626 5389

For Sale - Apples very nice red delicious at low prices cider apples $1.99/bu Columbia Co 717 672-2638 Lanc Co 717-872 5263

For Sale 1½ HP three phase electric motor, heavy duty suitable for hazardous locations $65 00 Berks Co 215-367-0191

For Sale - Honda 125 Street or trail, nice gift, asking $210 00 1977 Dodge club cab pickup, $2475 00 Lanc. Co 717-656-6644

For Sale - Commercial Worn harvester (new) $100 GE upright freezer 15 cu ft $150 00 717-334-8439 after 8 p m Adams Co

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REAL ESTATE

Dairy farm with 6 cow milking parlor, 48 cow free stall barn, heifer barn, 16'x65' Marietta silo with cement bunker spring fed stream running through pasture. 119 acres with 85 tillable. Large 4 bedroom house, 2 full baths and attached summer house. 2 full baths and attached summer kitchen, located in the Turbotville, Pa. area. $150,000.00 Call 717-546-2233 or 546-2313

York County 162+ Acres mostly planted to apple trees in full production. Various other fruit trees. Well maintained property in two separate tracts with much road frontage. Three bedroom farmhouse. Two large barns one equipped w/grading and packing line. 37x74 cold storage. Call today for more details. 717-225-3643. Anchor Realty RD #4 Box 4310 Spring Grove, PA. 17362

Farm For Sale - 125 acres in Lebanon County, south of Route 322 on December 16, 1982. Call 717-867-4948 for more details.

Operating dairy w/approx. 1 mile frontage. Approx 100 acres, 83 tillable. Good alfalfa ground. 20x60 Harvestore, Terre Hill silo, bunk feeder. 42 stanchion barn, pipeline. Brick home, new kitchen, other buildings, silo, all in good cond., Berks. 215-756-6479

WANTED
Quiet Family Wants 3-10 acres land with small house of 2 bedrooms Prefer in Lancaster Area. Write House, P.O. Box 2156, Baltimore, Maryland 21203

Approx. 90 acres Perry Co. woodland, best deer hunting in PA, right of way provided, will survey this month, $700 per acre with 1/3 on settlement and owner finance at 10% 717-789-3943

FARMER-HUNTER JEWEL
While the corn is growing on 50+ acres, spot game in the 40 acres of timber! Lots of road frontage, a small stream and pond and low taxes make this Millersburg, PA area farm even more attractive. Call Laura Dunkelberger for more info. on 92 acres priced at $65,000. Century 21, Hoffer, Jones, and Zink 717-653-8127, 367-8508. Home phone 717-367-6953

Beautiful stock farm of 188 acres, full supplement of buildings, approx. 100 fertile, level, tillable acres of farming land and 20 acres woodland, farmhouse included. $205,000. Rita Halverson, realtor, 814-443-4858

90 acre Farm with stone home, shop attached, banked dairy barn, 3 apartments in detached building. Gross rental potential over $20,000 per year, zoned industrial, must be sold, $360,000.00 Call ARA Real Estate at 215-857-2141

Farm For Sale
Cumberland County
150 acres of rolling limestone soil. Dairy barn for 41 cows. 3 silos $260,000
717-776-7650

REAL ESTATE

3 bedroom ranch, woodstove, fireplace, 2 car attached garage, 3½ acres, barn, pond, fenced pasture, $85,000. Dauphin 717-469-0539

For Rent - 65 acre Grade A dairy farm in Shenandoah Valley, VA, all modern milking and feeding equipment, good and level farm ground w/all tillable. Herd of milking cows available w/farm. Send replies to Lancaster Farming, P.O. Box 366 R-33, Lititz, PA 17543

For Sale - 3½ acres of fenced pasture and barn w/6 stalls. For appointment only 302-284-9327

For rent - complete modern dairy facility in southern Lancaster Co. Cows and machinery could also be available. Contact Don 717-284-4796

Berks Co. Poultry Farm For Sale - 20 to 50 acres available. 35,000 bird layer house on contract, excellent condition. 2 bedroom mobile home or will sell entire 60 acre farm. 215-562-7776

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FARM-SPRING-SHOP
Belford area; 670-acre general farm; 3-bedroom farmhouse with enclosed porch; gravity-flow spring water; range & dishwasher; A-1 shop building 12x16; barn 30x50; poultry house 10x20; paved road; excellent hunting; all mineral rights. $48,000. No. 4791 WEST REAL ESTATE AGENCY, INC., R.D. #5, Box 99, Bedford, PA 15522, +814) 623-8594.

HORSE OR CATTLE FARM
Between Emporium & Port Allegany, PA; 210-acre livestock farm with modernized home; 35 acres tillable, 65 native pasture; 25 improved pasture; large woodland for hunting; 2 springs; apple orchard; state highway frontage; 3-bedrooms; modern built-in kitchen; double vanity bathroom, central hot water heat, barn with newer roof; box stalls; milk house, fabulous setting & view! No. 3306. WEST REAL ESTATE AGENCY, INC., R.D. #1, Box 53, Emporium, PA 15834, (814) 486-3502.

LIVESTOCK FARM
Towanda, Pa. area; 145 acres, 100 tillable; large pasture area; 8-room home, 2 tiled baths, 1-car garage, original barn 40x60, concrete silo, 2 newer barns 40x100 and 48x52; shop bldg 20x40; tool shed, buy the complete farm or buy everything less the house and 15 acres. No. A-7892. WEST REAL ESTATE AGENCY, INC., 12 Canton Street, Troy, PA 16947, (717) 297-4046 or 297-2777

Virginia dairy farm for sale, lease or partnership, 600 acres, 240 tree stall Butler building, 12 stall trigon milking parlor, 4000 gal. milk tank, 150 Holstein cows, 75 heifers, 5 silos, farm machinery. Owner wants retirement. 804-696-2003 form 7-10 p m.

REAL ESTATE

2 Farms consisting of 120 acres of very fertile land, 2 sets of buildings for sale by the owner, John Strawbridge, 301-996-2022.

If you're looking for a farm, land or have any other real estate needs, you'll find what you want in the Real Estate classifieds. 717-394-3047 or 717-626-1164.

Tioga County 65 acre farm with stream, barn, new slaughter house. Ranch style home with 3 bedrooms, 1½ baths, 2 car garage. 717-724-3768. Call 717-724-3853. evenings and weekends.

For Sale - 3 bedroom house and grocery store with snack bar, country setting, North Lancaster Co. For further information write 305 Lexington Rd., Lititz, PA 17543 or call 717-626-2995

Huntingdon Co. 168 acre crop and beef farm, 100 acres tillable, good soil, well fertilized, 3 bedroom farmhouse, alum. siding, tenant house, lg. bank barn, river frontage, immediate occupancy, under $1,000 an acre. 814-643-4446 eve.

Greenhouses, set up for hydroponic vegetable production. 7,800 square feet. Fall crop now in progress. Ranch home on 11.9 acres meadow, stream on property. All for $155,000. 215-384-1157

50 acre farm for sale within Mennonite area. 25 acres in rye, rest could be farmed. Robert Hopkins, owner. Penn Yan, NY 315-536-8092

94 acre hog and tobacco farm in Lancaster Co. Facilities include 100 sow farrow wing unit and tobacco scaffolding for 10 acres of tobacco. Property includes large bank barn, stone dwelling and 85 tillable acres in a high state of cultivation. Financing available. Ask for the Lancaster branch manager, 1-717-291-1855

For Lease - outstanding 330 acre dairy farm in Southern Tier NYS. Harvestore and other silos, 70 cow barn and other buildings. 607-849-6097.

Snyder Co., Chapman Twp., 130 acres general farm, approx. 100 acres tillable, 2 story frame dwelling, bank barn, outbuildings. Asking $1,000 per acre or best offer. Must settle estate. 717-374-8333. 215-822-3822

Farms For Sale - Kent Co. Maryland, 120 acre water front, new home, 2 new large sheds, good hunting, asking $450,000. 110 acre hunting farm, 2 homes, 3 sheds, 3 ponds, asking $260,000. 107 acres, good hunting, asking $300,000. 91 acres, 83 tillable, very good hunting, $2,350/acre. Cooper, Barroll Realty Galena, MD 21635 301-648-5593.

40 acres of farm land (tillable) plus 40x60 bank barn, along hard top road, 7½ miles northeast of Burnham, PA in Decatur Township, Mifflin County. No property (house) on land Price $60,000. Call 1-717-248-4630 or write to B C. Aumilla, 7th Ave., Burnham, PA 17009.

Farms For Sale - #1 - 87A. 72A. tillable, 2A. timber, small stream, 4500 Ft. frontage. Large bank barn w/machinery storage or housing for beef or swine on ground floor 44x60 shop & machinery storage 24x36 corn barn. 2-door shed, 30x7 grain bin w/drying floor & fan. 4 BR. 3 bath home, oil and wood forced air, 2-car garage, w/wo 2nd home, 3 BR., 1 bath, 2-story brick w/attached 2-car garage, oil hot water heat.

#2 - 55A., no buildings, 43A. tillable, 10A timber, productive with future development. possibilities, w/wo 2-1A. Lots. West York County 717-225-3513

REAL ESTATE

Farm For Sale - 4 bedrooms, living room with fireplace, family room, large kitchen, oil heat. 45 acres. Will subdivide. Lancaster Co. 717-665-5741

For Sale - Large 4-bedroom house with large garage attached to house, also horse barn and small storage shed. Buildings all in good condition and situated on bldg. lot with road frontage. Ideal for small business. Write to: Abe E. Weaver Rt. 2 Box 135 Mifflintown, Pa. 17059

Farm of 207 acres, approx. 100 acres river flat, remainder woods. Older 2 story home, 2 barns, shed, attached garage. Just reduced to $85,000. Ask for -Jeanne. C-25. Call Winters Real Estate, Inc. 607-962-2401

92 Acre Crop Farm, Central New Jersey. Large home, irrigation pond, outbuildings $276,000. Century 21 SCS Agency Hightstown New Jersey 609-448-0113

MICHIGAN-SANILAC CO., Marion Twp. Crop and Dairy Farms, Most have homes and outbuildings. 73-160 acres parcels, some tiled, 641 acres total, 626 tillable, avg. $1700 per acre. Contact Brad Apsey, Deckerville, MI 313-376-3574 at Clare Wait Real Estate Inc.

FRANKLIN CO. LAND
212 ACRES in Amberson Valley (northern part of county), 40A cleared, 35A pasture (fenced & next to creek), & 137A mountain land (some timber). $106,000.

82 ACRES in St. Thomas Twp. About 45A tillable. Small stream. House is rough; barn not bad. $135,000

HAMILTON Twp., 39 acres, all tillable. Home had recent remodeling; all buildings good. $71,000.
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(717) 264-2949

REAL ESTATE

For Rent - Complete veal raising facility, with housing good family opportunity. Call manager. 201-832-2905

For Sale - Lebanon County Farms, 79 acre hog or beef farm $269,000 - fifty five acre beef farm $179,000 owner financing, a four acre farmette $49,900 ten acres of woodland $25,000 and a 150 acre Berks County farm $205,000. Write for brochure: Nelson Ebersole-Realtor Auctioneer 717-867-4487 Suburban Realty, 30 West Main St., Annville, Pa. 17003

"Mini Estate" log home 20x30 Family room 20x30 bedrm, 12 acres, outbuildings, $165,000, Rinehart Real Estate, 717-235-6714

Glen Rock 87 acre farm 60 tillable, stream, barn, other outbuildings. $168,000 Rinehart Real Estate 717-235-6714.

FARMS ... Near Greenwich, .OHIO. General or Dairy - 137 ACRES - 167 ACRES and 150 to 750 ACRES. Contact: WALLACE RAMSIER - J.C. MEYER CO., INC., 1011 E. Main St., Ashland, Ohio 44805 (419) 289-2600 or (419) 368-3106

JUNIATA COUNTY - $89,900 - 161 Acres with stone farmhouse, spring house, barn, stream, woodland and cleared land. (204545) Coldwell Banker, Bob Yost, Inc. (717) 848-6300/757-7811

77 acre dairy farm in Fulton Twp., Lancaster County, 54 stalls, 800 gallon tank. 717-548-3181

Want to rent farmland for hay production, preferably w/good barn. Call Martin 717-235-2404 evenings.

FARM for sale. 100 acres. Turbotville, Penna area. House redecorated, modernized, insulated. Oil or wood heat. Mountain stone fireplace. Workshop, garage, barn set up for horses. 717-546-5830 (days) 717-538-1600 (eves)

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For Sale
Approximately 65 acre farm in Fruit Belt of Northern Adams County. 4 bedroom farm house, numerous outbuildings and silo.
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New Listing

Many details too numerous to mention: 130 tie stalls in new barn - 70 free stalls in old barn - double 6 parlor - 2-25x80 Harvestores and 1-20x70. Beautiful house w/pool. Total of 286 acres of limestone soil. Priced right. Financing available.

Mr. Farmer: The above property and any other farms on the market can be seen in "living detail" in your own living room or office or even in my van with my totally new concept in marketing farm real estate. So feel free to take advantage of this unique procedure and save a lot of time and mileage by calling Mahlon Oberholtzer either at my home 717-392-1177 or at the office of Farm and Home Realty 717-291-2270.

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FARM FOR SALE

126 acres in Lancaster Co. on Mine Road near Gap, will subdivide.
Also, an N5 AC gleaner combine.

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NEAR OXFORD

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175 acre Dairy Farm, 50 stanchions.

95 acre Dairy Farm.

80 acres of bare land, no buildings.

75 acre Dairy Farm, meadow, small woods, 600 gal. milk bulk tank, owner financing.

LANCASTER COUNTY

82 acre Dairy farm, 10 room house, bath, extra nice, large dairy barn and out buildings. South West of Quarryville near Wakefield. SOLD

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or Daniel E. Snader Agent
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REDUCED $64,000

108 Acre limestone dairy farm. Oley Twp. Berks Co.
76 Showease tie stalls. DeLaval pipeline system.
Large milkhouse office and bathroom complex. 800 gal. Mueller bulk tank.
1-20 x 70 sealed silo bottom unloader
1-20 x 70 Fickes w/Jamesway top unloader
1-12 x 40 Silo
40 x 70 Implement Shed
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30 acre farm, 2 story brick-house and barn
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320 acre dairy farm with jugging operation, nicely located in N.E. U.S.A. Everything goes. Lock, stock and barrel. For confidential info. call Mr. Long, Stimmel-Graul Realtors, P.O. Box 1883, Allentown, PA 18105
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ACTIVE DAIRY FARM: 94 ac. in high state of cultivation. Beautiful stone/frame home, 2 tenant houses, 2 barns, large garage, corn crib, silos, etc. Good market location.

EXCELLENT HORSE TRAILS on this 82 ac. farm w/4 BR stone Col. 2 baths, modern kitchen, bank barn, other outbldgs., stream, area for pond.

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284 acres, 160 acres tillable, level for farming, 90 acres woods, 24x70 silo, 2 Agway machine sheds, large shed 120x36', 1,000 gal. bulk tank, nice house, $295,000.

CENTRE COUNTY
Centre Hall, State College. 152 acre dairy farm. 85 tie stalls. Machine shed, Heifer barn, Silos, Pipeline, Tank, Limestone Soil. Stock & equipment can be bought $650,000.

BRADFORD COUNTY
Troy, Rt. 6, 30'x40' 2½ story block building, ideal for camp, on lot 100'x300'.

LANCASTER COUNTY
Bowmansville, 3 bedroom stone and frame house, 2 fireplaces, on 20 acres of woods.

EAST END NITTANY VALLEY CLINTON CO.
112 acres general farm, limestone, 60 acres farmed, more can be farmed, 28 acres pasture, owner financing $165,000

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JUNIATA COUNTY

25 acre farm in beautiful country setting. 144 year old limestone house, 4 bedrooms, 7 fireplace, old cherry paneled doors in living room. Oil hot air heat. Large barn and sheds in good repair. White board fencing, meadow w/stream. This would make an ideal horse farm. Priced at $80,000.
Additional acreage available.
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CUMBERLAND CO.

120 Acre Dairy Farm, level Murrill soil. bank barn with 24 stanchions, 6 unit pipeline milker, 900 gal. bulk tank, 96 freestall barn, heifer barn, 12x50 - 20x60 silos with unloaders, 80' feeder, emergency elec. unit, alum. siding dwelling.

180 Acres, Duffield and Hagerstown limestone soils, road frontage, no buildings.

62 Acres Open Land (Hagerstown limestone), no buildings.

158 Acre General, Owner Financing.

153 Acre Dairy, 135 tillable, 40 comfort stalls, Patz stable cleaner, 600 gal. bulk tank, additional lounge area, 7 room brick dwelling, road frontage, beautiful view.

HUNTINGDON CO.

172 Acre General, Price adjusted to $90,000.

166 Acre General, spacious brick rancher, plus 1 room brick school house.

144 Acre Complete Dairy & new dwelling.

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WIMPLE REALTORS... STATEWIDE FARMS

SCHOHARIE COUNTY

BARGAIN NEW COBLESKILL: 220 acres with 160 tillable, 45 pasture & all new fencing. Good barn has 46 large ties, Clay cleaner, dumping station, 14x50 unloading silo. (2) 40x60 machine sheds. Two homes; both good shape. JUST LISTED! $152,000 with $25,000 down. CALL WIMPLE'S SLOANSVILLE OFFICE: 518-875-6355. PHOTO BROCHURE.

CENTRAL NEW YORK

PICTUREBOOK DAIRY: rail fencing sets-off this 183-acre dairy nicely located near Utica. 100 acres tillable. Very good white 75 stall barn, Badger cleaner, 2 silos. 32x64 machine shed with heated shop. Attractive white 8 room home, all tastefully remodeled. INCLUDES: 76 head with 46 milking & many more due in soon, 4 tractors & complete machinery. MUST BE SOLD! $275,000 with $70,000 down. CALL WIMPLE'S SLOANSVILLE OFFICE: 518-875-6355. PHOTO BROCHURE

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SAME FARM FAMILY FOR 130 YEARS: owner's ill health forces him to offer these unusually good terms. Farm has 460 acres with 300 tillable and was appraised for $380,000. Very good barn has 69 stalls on pipeline, 2 silos, unloader, ample heifer facilities. 36x100 machine shed plus several outbuildings. Three homes, all in good shape INCLUDES: 50 milkers, 50 YS, 4 tractors & complete machinery MAKE A SENSIBLE OFFER. OWNER WANTS $50,000 DOWN, OFFERS 9% MORTGAGE WITH PAYMENTS BEING 25% OF MILK CHECK CALL WIMPLE'S GOUVERNEUR OFFICE: 315-287-4163

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450 acres, 150 cow freestall operation, 3 Harvestore silos, 100 heifer facility, modern ranch home, additional housing, all buildings in excellent condition, beautiful location, good milk market. $380,000, $200,000 down. Balance owner financing. Cattle and equipment available.

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Horse boarding - breeding farm, located near Bethlehem. Over $700/month existing income from boarding. 12 stall pole barn w/water & electricity. 11 acres renovated stone farmhouse, $116,000.

Berks Co. horse farm. 40x100 barn w/water & electricity & 7 box stalls. Stone farm house w/walk-in fireplace. 50 acres almost all tillable w/exceptional soils, pond, very secluded. $149,000.

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- 10 - Farmettes - Centre, Clinton & Huntingdon Counties
- 27 Rural Land & Cabin Listings
- New Listing - Columbia County Hog and Beef Farm, 233 acres. (130 acres productive tillable land, 19 acres pasture, 79 acres woodland.) Excell. house, good barn adapted for farrowing and finishing hogs, outbuildings, nice setting 10% owner financing. $275,000.

Please call or write for free detailed lists. See December 4 and December 18 issues for complete inventory.

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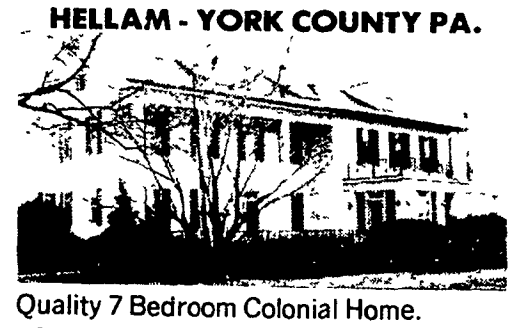
HELLAM - YORK COUNTY PA.



Quality 7 Bedroom Colonial Home.
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Exceptional farm, 35 acres, $79,000

400 acre vegetable or general farm, new machine shed, 2 large barns, irrigation ponds, exceptional home $500,000

75 acre general farm, $79,000

Low payments first year, no money down will buy this farm. 270 acres, 165 tillable, 30 pasture, exc. soil, 4 bedroom home, bank barn & machine shed.

Modern 450 acre beef & broiler set up, mostly all tillable, prime level ground, 2 homes, $900,000.

Amish neighbors - 130 acres, 60 tillable, 30 pasture, balance wooded, bank barn, 10x50 & 16x50 silo, grain storage, 32x80 barn $150,000.

Lykens Valley Farm 110 Acres, 90 tillable, nice home, possible terms. $210,000.

62± acre general farm, 12 room home, coal or oil heat, bank barn, $75,000.

BRADFORD CO.
192 acre operating dairy farm, 150 acres, 3 silos. Possible owner financing at $245,000.

Large amounts of different size acres for sale

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Cumberland Co. working dairy farm, in the Newville area. 27 tie stalls, great set-up for a family farm. 85 tillable acres, 126 total acres. Large implement shed, pond, priced to sell at **$198,000.**

Starter dairy farm in a fertile valley, near Mennonite schools and churches, 2 unit home, great beginning farm, **$84,900**

Montgomery Co. dairy farm - stone home, 5,000' road frontage, sewer, price **$250,000.**

General Farms

Produce farm off of Route 11 and 15. Brick home, large bank barn, pond & lovely setting. 100 acres, price reduced to **$130,000.**

York Co. farm, 51 acres, 38 tillable, pond, stream, nice setting, frame home. Price **$145,500.**

Good Soil in York Co. 173 acres, 70 tillable, no buildings. Priced to sell at **$175,000.**

Veal Operation on 14 acres, Mifflin Co., modern ranch home, modern 218 head calf operation or convert barns into hog operation. Priced to sell at **$79,900.**

Farmette Snyder Co. 10 acres, w/frame home, plus barn, priced to sell at only **$45,000**

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2 Adjoining Farms in Franklin Co.
77 and 105 acres. Amish farms nearby, and 71 acres of woodland
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#9012 - Columbia County 375 acres rich Clay Silt Loam, ideal for cash cropping; level terrain, free stall barn for 165 head, large silos; fine colonial two family home Owner financing Bare $530,000

#9010 - 260 acres, 220 tillable Nellis Black Silt Loam, exceptionally productive; tie stall operation for 56 head, glass 2" pipeline, very attractive modern Cape Cod home Owner financing Bare $220,000.►

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NEW FREE UNITED FARM CATALOG - Fall-Winter issue. Many properties OWNER FINANCED from 9% annual percentage rate. Call now!

LARGE N.Y. DAIRY... 409 acres with newer 130-cow barn, bulk tank, 2 silos. Main 3-bdrm. home, 2nd home, mobile home. 300 acres tillable, 100 pasture & woods, brook. In St. Lawrence River Valley. SLASHED TO ONLY $90,000.

DAIRY MONEY MAKER ... 442-acre Pa. farm has bottle processing plant, store & wholesale distributing route. COMES with over 100 head of dairy cattle, 4 tractors, long list of equipment. Two 4-bedroom homes, 3-room home, 4th home needs work. Barn has 98 free stalls, 80-ft auto bunk feeder, 3 silos, 1,500 gal. bulk tank, heifer barn, other buildings. 220 acres tillable, 5 streams. On blacktop, near Interstate. Take over this producer for $717,000.

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FARMS

250 ACRES - 150 acres tillable 100 acres pasture & marginal LITTLE FISHING CREEK FLOWS THROUGH 2 story large brick residence, 2 story bank barn, machine & implement shed Present use - beef Asking $275,000 Seller financing

114 ACRES — 90 acres tillable 25 acres pasture & marginal LITTLE FISHING CREEK FLOWS THROUGH, 2 residences Present use - beef Adjoins above farm Asking $150 000 Seller financing

157 ACRES all open, complete modern beef cattle operation Hagerstown soil, high fertility, Ph 7 2 Macadam road frontage, 2 dwellings two story, good condition 40x90 two story barn with automatic bunk feeders Modern 40x80 feet breeding barn with large oak fence corrals and holding area Three concrete stave silos, concrete block machine sheds and storage buildings Good fencing Asking $280 000 seller financing OR CASH OUT AT REDUCED PRICE

135 ACRES TOTAL, 6 miles east of Bellefonte, 123 acres tillable Hagerstown soil, pH 6 8, level to moderate slope, 23 acres alfalfa, dwelling, 4 bedrooms, modern ranch, barn 2 story wood 40x80 w/40x40 attached loafing shed PRESENT USE DAIRY, 30 stalls, Patz cleaner, Coristone silo - 16x55 Jamesway unloader, trench silo, early possession Asking $210 000 w/seller financing

CABINS

2 ACRES - 2 story 24x30 all open on both floors with bath kitchen, oil H A heat and fireplace Pond on property twp road access excellent recreational location near Milesburg Asking $38 900

2 ACRES - Recently renovated 3 bdr with bath new kitchen wood burner, near McAlovey's Fort Huntingdon Co Asking $39 900

LAND

300 ± ACRES - Near Tyrone Asking $90 000 with good owner financing available

We have other tracts 46 and 64 acres call for details

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FARMS FOR SALE IN CENTRE, HUNTINGDON, UNION AND CLINTON COUNTIES We have SOLD several this year and our wagon is nearly empty! Call to inquire of our services

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FARMS

NEWPORT R.D. 1 - 78 Acre General Farm with Pond. Partial owner financing $124,000

ELLIOTSBURG - 171 Acre General Farm with remodeled stone house and frame barn. Owner financing $249,000

R.D. 1 LOYSVILLE — 181 Acre General Farm with 90 tillable acres. Barn and remodeled house. Owner Financing $199,000

R.D.2 MILLERSTOWN - 117 Acre Hog and Beef Farm with remodeled house $240,000

All the above farms are in the Perry Co. Area

MIFFLIN CO. - 178 Acre Dairy Farm. 175 acres tillable, 40 tie stalls, 18x50 silo w/unloader and bunk feeder.

LIVERPOOL R.D. 1 - 95 Acre Tree and Hobby Farm with Y-Shaped Ranch House with Many Extras and Small Barn and Orchard.

Approximately 30 miles from Harrisburg, Juniata Co.... $136,000

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NEW YORK STATE FARMS
Finger Lakes Area

50 to 1,000 acres, dairy, beef, cash crop, vineyard, hog, chicken and horse. All price ranges. Owner financing on most. 10% interest.

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102+ ac - house, bank barn 65'x82' with slate roof and silo, stream, 3875' road frontage, private location between Oxford and Quarryville, Pa., 3 ac wooded, good farmland. $315,000.

47 + ac - 3BR house, good farmland within ½ mile of US#1 at Jennersville, considerable road frontage $240,000.

20+ ac - 3BR house, spring-fed pond, detached 3-car garage. Repairs needed. Owner financing possible to qualified buyer. $110,000.

10+ ac - 200 yr old stone farmhouse, barn, pond, excellent location Unionville School Dist $127,000.

2+ ac lot near Chatham, Owner financing possible to qualified buyer. $14,000.

Income Producing Property - 7700 sq. ft. brick building containing store plus 4 apts. $198,000.

Contact: Hale Truitt
215-347-2065 OR
215-869-9310

CENTRAL PENNA. FARMS

CUMBERLAND COUNTY

172 acre limestone dairy, 250 cow free stalls w/double 6 parlor, modern rancher. Call Mr. Niesley

25 acre dairy farmette, new 2 story brick house, 50 comfort stalls, 2 silos, new implement shed. Call Mr. Niesley.

JUNIATA COUNTY

100 acre grain farm (73 tillable, 27 timber) Nice stream, secluded, no bldgs. Call Mr. Benner.

42 acre general, 2 story log home, barn and other bldgs Excellent turkey and deer hunting Near state game lands. Call Mr. Benner

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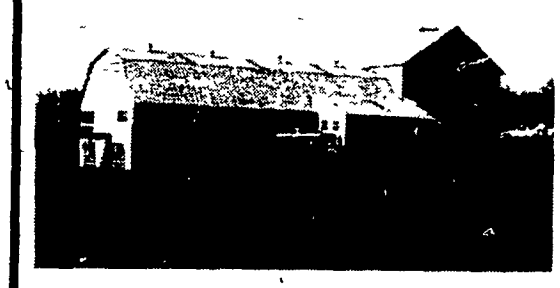

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What happened in the shootouts? The chart at the right tells the story. It shows how well Jacques hybrids did against Pioneer, Funks and DeKalb. All the results aren't in yet but when they are, we'll show you who won and lost in the shootout for your local area.

So here's the first shots in the big shootout. In a few more weeks all the results will be in and our new 1982 Yieldbook will be ready. See your Jacques dealer for a copy or send in the coupon and we'll mail you a free copy. Do it right away.

*Pioneer, Funks and DeKalb are [illegible] and names.

NEW: 1982 Field Shelling Trials

Eason Brothers
Oxford, Maryland

Planted: May 3, 1982 in 30 inch rows
Soil Type: Silt Loam
Fertilizer: 250 lbs 0-18-36 plowdown, 225 lbs 10-20-30 starter, 100 lbs actual N @ 30% liquid
Insecticide: 18 lbs Furadan 10G
Weed Control: 1.5 lbs Aatrex, 1.5 lbs Caliber 90, 1 quart Paraquat, and 1.5 quart Toxaphene pre-emerge
Previous Crop: Soybeans
Harvested: September 29, 1982 with a 7720 John Deere
Comment: This is a no-till trial

Brand	Variety	Plants Per Acre	% Lodging	% Mois.	Bu./Acre At 15.5%
Jacques	JX151	24,160	6.5	17.9	111.6
Pioneer	3747	24,940	6.3	17.3	102.6
Jacques	JX166	23,630	5.6	18.9	104.9
Jacques	JX167	24,160	2.2	18.9	97.6
Jacques	JX177	23,890	8.8	21.0	114.0
Jacques	7780	23,890	1.1	24.4	101.4
DeKalb	XL-43a	23,630	3.3	19.5	111.7
Pioneer	3744	24,420	2.2	17.8	117.0
Jacques	JX179	24,940	10.5	26.3	103.7
Jacques	7790	26,260	3.0	22.3	109.1
Jacques	JX180	23,890	6.6	25.6	108.0
DeKalb	XL-55a	25,470	16.5	20.0	111.5
DeKalb	XL-61	25,730	6.1	23.0	105.8
PAG	SX397	23,890	35.2	20.3	120.9
Pioneer	3518	25,990	5.1	18.0	115.1
Jacques	JX197	21,010	8.8	24.0	120.2
Jacques	JX227	18,640	8.5	24.5	103.4
Jacques	8100	23,630	4.4	25.8	106.5
Jacques	8220	21,790	3.6	28.3	112.6
DeKalb	XL-71	22,320	4.7	27.4	94.0
Pioneer	3320	19,170	5.5	25.6	106.5
Pioneer	3382	22,580	4.7	23.8	111.2
Jacques	JX247	22,060	4.8	29.5	90.3

Tim Bishop
Queenstown, Maryland

Planted: May 7, 1982 in 38 inch rows
Soil Type: Matapeake loam
Fertilizer: 300 lbs. 7-0-40 plowdown with 20 lbs. sulfur, 10 gallons 9-18-9 liquid starter with Mg and Mn, 135 lbs actual N a 30% liquid, 60 lbs. preplant with herbicides and boron, and 75 lbs. sidedressed
Insecticide: 10 lbs Furadan 10G
Weed Control: 2.5 quarts Bicep and 1 quart Toxaphene preplant incorporated
Previous Crop: Soybeans
Harvested: October 2 1982 with a 6600 John Deere
Comments: A three inch rain right after planting packed the soil and delayed emergence Rotary hoed twice to break the crust The area only received nine inches of rain for the whole growing season Despite the lack of rainfall, this was a good comparison

Brand	Variety	Plants Per Acre	% Lodging	% Mois.	Bu./Acre At 15.5%
Jacques	JX151	16,610	3.8	18.6	117.5
DeKalb	XL-25a	15,780	3.9	18.6	112.2
Pioneer	3747	20,760	1.0	18.2	132.6
Jacques	JX166	15,780	1.3	20.2	117.6
Jacques	JX167	18,080	2.3	20.0	120.6
Jacques	JX177	17,640	16.5	20.3	132.5
Jacques	7780	19,930	24.0	22.4	118.3
Jacques	JX173	17,640	12.9	20.5	125.6
DeKalb	XL-43a	16,610	5.0	21.0	115.2
Jacques	JX179	18,890	6.6	24.4	145.7
Jacques	7790	16,610	3.8	22.5	131.0
Jacques	JX180	22,210	11.2	23.8	150.7
Jacques	7900	22,210	7.5	23.2	158.9
Jacques	JX163	16,610	12.5	23.8	129.0
Jacques	EXP2116	20,960	4.0	26.1	136.3
DeKalb	XL-55a	18,890	3.3	20.6	122.3
DeKalb	XL-57	16,190	5.1	22.6	104.8
DeKalb	XL-61	20,130	1.0	23.2	133.6
DeKalb	XL-64a	16,610	0	23.0	129.2
Deakter	70X	16,810	9.9	21.1	131.1
PAG	SX397	19,300	3.2	20.5	127.8
Pioneer	3535	20,130	1.0	20.8	119.6
Jacques	JX197	16,610	7.5	24.8	139.6
Jacques	JX227	18,890	5.5	24.4	137.8
Jacques	8100	17,230	4.8	24.7	142.8
Jacques	8220	23,250	4.5	27.3	147.7
Agway	849X	20,760	37.0	26.0	132.1
DeKalb	XL-71	20,340	11.2	27.0	119.9
Pioneer	3320	21,790	8.6	25.6	138.6
Pioneer	3382	22,000	0	23.2	131.0
Jacques	JX247	20,960	6.9	27.2	119.9
Jacques	8400	21,170	1.0	27.3	126.6
Jacques	EXP2126	21,380	5.8	27.4	116.1

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Garbers plan no-till comeback

BY DONNA TOMMELLEO

LANCASTER — "The revenuers are coming!"

At least that's what a group of folks in western Lancaster County thought when J. Clarence Garber decided enlist the help of the Soil Conservaton Service to terrace his entire farm in 1939.

In fact, concerned neighbors warned Garber that the government surely was going to take his farm. But amid the surrounding fears of misinformed people, Garber persisted. Fortunately, his soil-saving philosophy persisted through the third generation.

"Why shouldn't we try to keep the ground as good as we can? I can't see how people can farm and let the farm run into the stream. It's just poor stewardship," states Garber's grandson Fred Garber.

Today, Fred along with his brothers Joe and Dave operate the 126-acre farm, which maintains 130 mature registered Holsteins plus young stock.

In addition to extensive terracing, the farm contains a pond, which was constructed in 1941.

"There was a spot in the meadow, so no sense letting the water run into the stream," Fred explains. "Besides, if you had a pond, fire insurance was lower."

The Garbers recently excavated and drained the pond and pushed 40 years worth of mud along the sides, said Jay. The pond contained about three feet of water which was met by another three feet of mud.

"That shows how much dirt did run out," Fred notes.

Fred's father Jay continued the preservation process about 10 years ago when he began no-till cropping.

"Dad borrowed the neighbor's planter. But it got to be who gets to use the planter and plant corn that day," Fred remembers.

Eventually, the Garbers purchased their own planter, an older model.

"It worked well some of the time," Fred says. "But it wasn't really made for no-till. It wasn't heavy enough to get into the ground."

The Garbers' cropping system utilized a cover of rye each year, but Fred reports that problems began rolling in with their no-till.

"We hauled manure all winter. In the spring, it was never dry enough," he says.

In addition, the Garbers harvested the rye for the dairy herd and then went back in and cut the re-growth for straw.

"We still got a decent stand of corn. But we were in and out of the field a total of five times before we went in and planted," Fred adds.

The combination of wet ground and heavy tire tracks, understandably caused a great deal of compaction, explains Fred.

Instead of overall no-till, Fred chisel plows everthing.

"In the fall, I chisel plow everything deep and then plant rye on everthing.

"In the spring, we take the rye off and leave stubble. We work once with the field cultivator to get the soil loose but rough. After that, we go in and plant with the no-till planter," Fred explains.

The remaining root structures plus about a five inch plant stubble greatly slows down the erosion rate.

"It's very interesting to watch the road after a rain."

What Fred sees or more correctly doesn't see is water, deep and red cascading from the fields.

"This spring we had water that did come out fairly clear. That kind of made me feel good," he adds.

"We'd get better control if we no-tilled, totally," Fred admits.

Consequently, the Garber brothers are gearing up to bring about a no-till comeback on their Sring Lawn Farm. They've purchased a heavier planter to get deeper into the ground. They also will be spreading manure a little wider leaving tracks every 60 feet, cutting down on passes in the field. Along the same lines, the Garbers will employ the use of a double row rake, next year, also to cut back on field traffic.

Meanwhile, the rye harvested from the cropping system is put to work in the milk herd.

"Cows make a lot of milk on rye," Fred notes. The high-protein rye (about 20 percent) helps the brothers cut back on commercial feed. But Fred admits that feeding rye is not without its problems.

"It's too green a feed and there's usually a problem of butterfat," he says. "But this spring, we had excellent rye, about 58 percent moisture, and had good butterfat test."

According to Fred, his grandad, J. Clarence always was interested in registered animals. And Spring Lawn Farm created a niche in Lancaster County history by owning the county's first 16,000 cow, several years ago.

But today, the brothers have legitimate concern toward the surplus crisis.

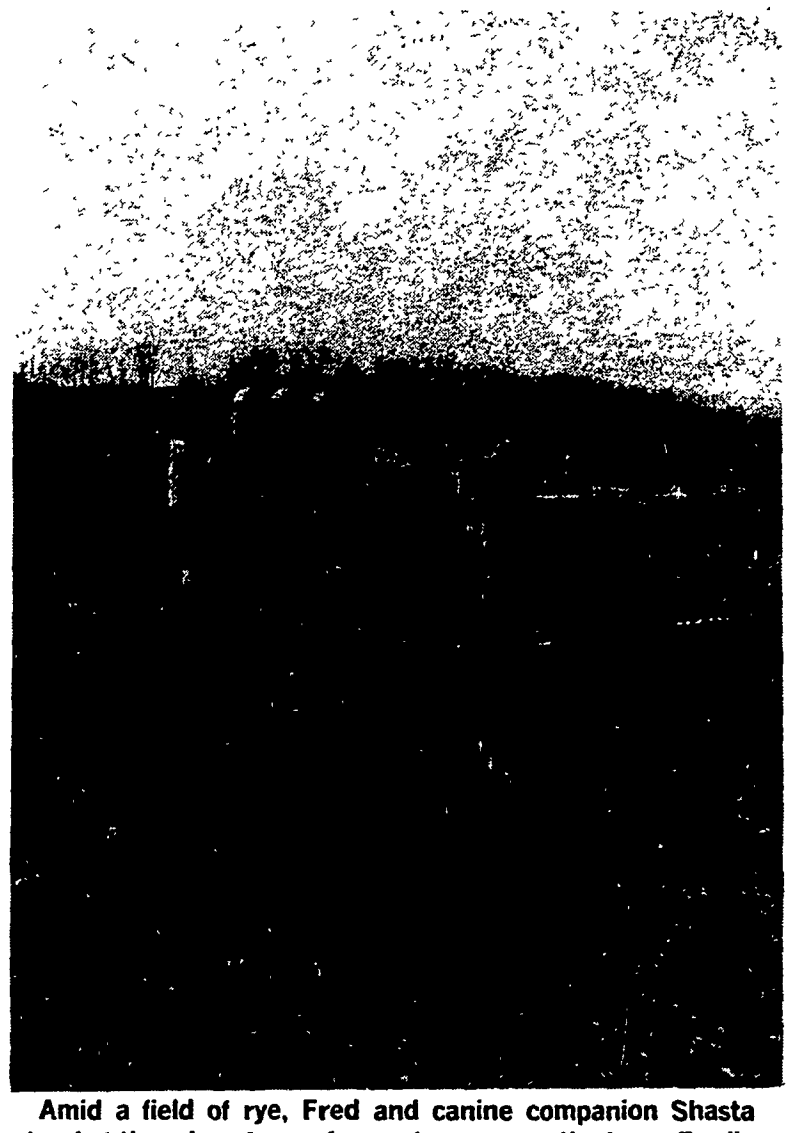
"We had a lot that weren't milking well and had thought a lot about the surplus," Fred explains.

"So we cut back on the herd and culled out really hard," he continues.

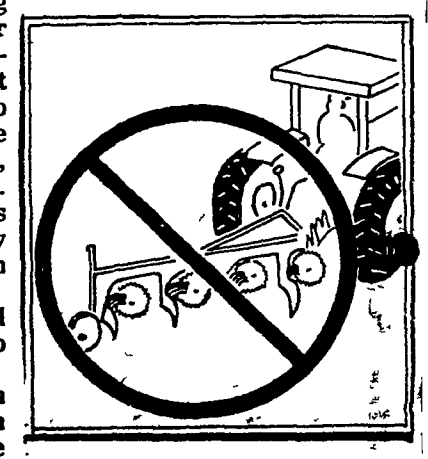
The brothers dropped from a 130-cow milking herd to a 100-cow herd.

The idea of soil conservation has come along way since J. Clarence joined forces with SCS in 1939. Although conservation techniques are changing and constantly being updated, the philosophy remains the same — save the soil for future stewards.

The third generation of Garbers probably would agree with that.

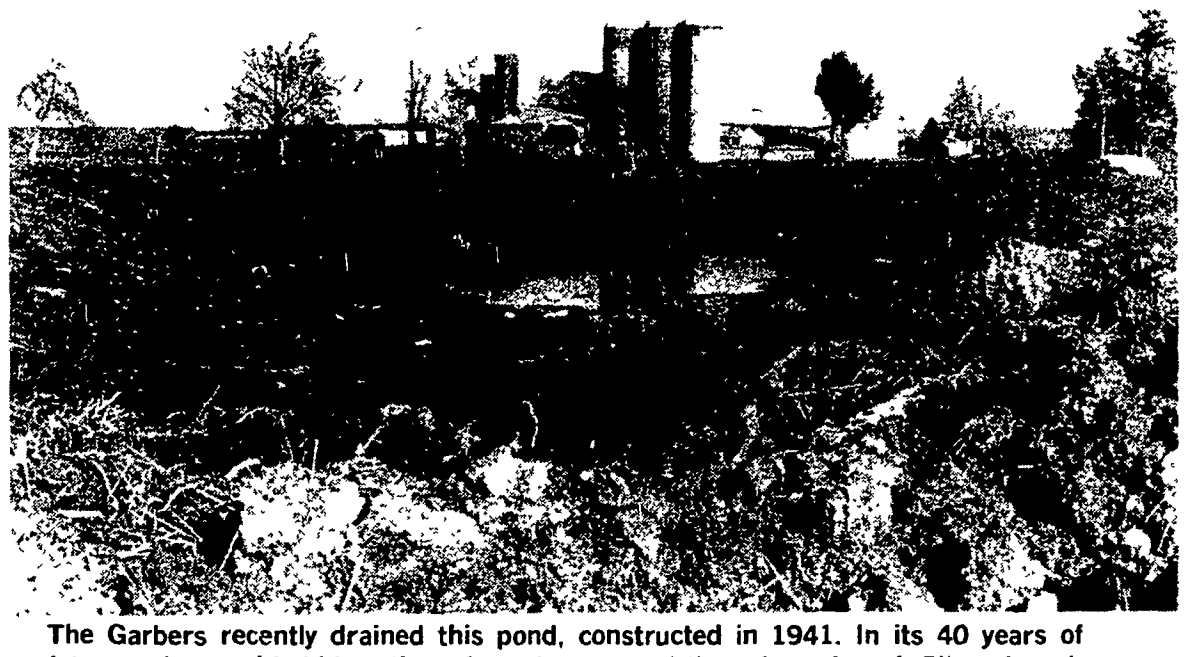


Amid a field of rye, Fred and canine companion Shasta stand at the edge of one of many terraces on the farm. Fred's grandfather J. Clarence enlisted the help of the Soil Conservation Service in 1939 to terrace the entire farm, against protests by neighbors.



Daffodils in December? Following the recent unseasonable weather, these sprouts on the Garber farm felt it was time to make an appearance.

Fred Garber handles the hydraulic hoses of the brand new planter. Garber explains that the new planter replaced the old, lighter model, which was never heavy enough to adequately get into the soil.



The Garbers recently drained this pond, constructed in 1941. In its 40 years of existence, the pond held just three feet of water and three feet of mud. Piles of mud, removed by bulldozers, can be seen pushed back along the pond's sides.

Mr. Farmer....

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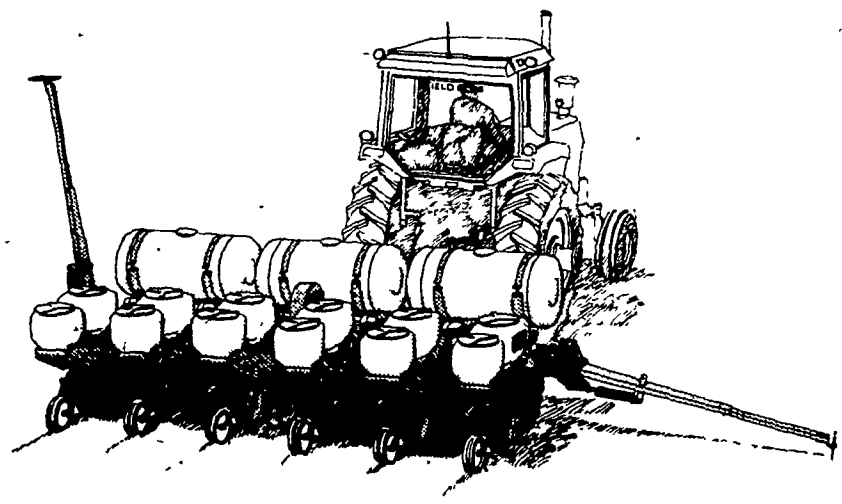

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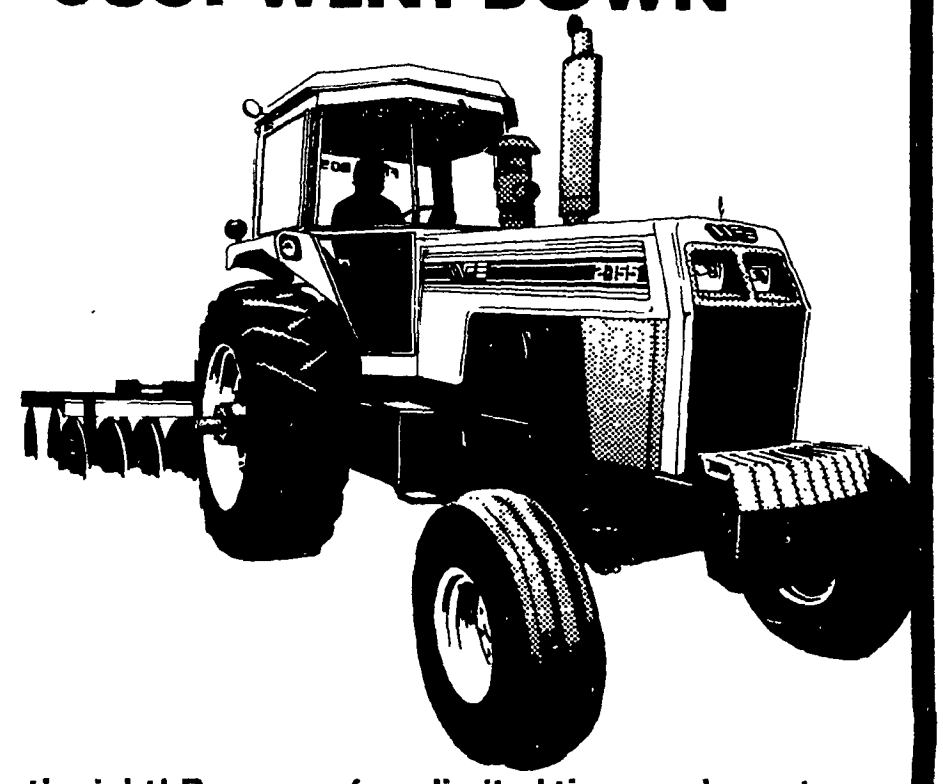

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Livestock productin cycles changing

WASHINGTON, DC — Economic conditions unfavorable to farmers have now persisted so long that normal cycles in livestock production are being delayed.

Livestock prices have risen this year because total red meat and poultry output is falling 3 to 4 percent. The drop in meat output reflects the largely negative profit margins from mid-1979 through early 1982.

In 1981, hog producers reduced their foundation herds, and cattle feeders placed fewer animals on feed—typical responses to low prices. However, this year's strong prices—at a time of low feed costs—have not yet prompted producers to increase their breeding herds as in earlier cycles, reports Ron Seaborg of USDA's Economic Research Service.

Futures prices for next year are reinforcing farmers' caution. Currently, prices for hogs and fed cattle are too low for farmers to ensure profits by selling contracts for future delivery. In the past, however, livestock producers responded more to current profits than to indicators of future prices. The major influence appears to be financial, as lenders have grown more cautious about extending credit when profits can't be hedged, Seaborg says.

Though Most Livestock Operations Now Profitable

With large 1982 crops following last year's record harvests and with only moderate growth in demand, prices for feed grains and high-protein meal are sharply lower than a year ago. Corn at the farm is now about $2 a bushel, while soybean meal is selling for $160 a ton at Decatur. Last fall, corn was about $2.40 and soybean meal about $185. Two years ago, farm prices were about $3.10 for corn and $240 for soybean meal.

Such a drop in prices has been bad news to crop farmers, but it has helped to reduce or hold down production costs of livestock and poultry producers.

A similar comparison of hog prices shows the opposite trend. In late summer and early fall, hogs were selling for $57 to $63 per cwt. Last fall, they were about $42, and in the fall of 1980 they were $46.

The traditional rough measure of profitability in hog production—the hog-corn price ratio—is currently about 28 to 1, up from 19 to 1 last fall. Thus, hogs returned a profit this summer and early fall as a result of lower feed costs and higher hog prices.

While prices for fed cattle are not much changed from last fall, reduced feed costs have meant many cattle feeders are in the black, or at least covering cash costs. However, feeder cattle prices remain depressed, and cow slaughter in mixed crop-livestock areas remains large.

...There's Little Evidence of Expansion

But livestock producers are not yet taking the necessary steps to significantly boost output in the near future. Hog slaughter remained high through the summer as producers continued to market gilts rather than retaining them for the breeding herd—a reflection of farmers' serious financial problems, Seaborg observes.

Although cattle feeders have been increasing placements in recent months and there are more cattle on feed than a year ago, the number of cattle in feedlots is still well below the levels of a few years ago. Many feeders have opted for shorter feeding programs. Meanwhile, stockers have culled heavily this year and continued to sell their feeder cattle, despite above-average grazing conditions and lower prices.

Cow slaughter was up 10 percent through September 1982 and has remained unusually large so far this fall. Cow slaughter has been especially large in cropping areas, suggesting that farmers are trying to offset low crop receipts by culling their least productive animals, or even liquidating their cattle herds.

The midyear cattle inventory was 1 percent smaller than a year earlier, including 4 percent fewer beef cows and and 2 percent fewer beef heifers being held for herd replacement. Cow slaughter rose 8 percent from a year ago this summer. This interrupted the uptrend in inventory cycle that began in 1980. Broiler producers have increased production only slightly, even though pork output has dropped substantially.

...As Producers Remain Cautious

There is usually a lag between the time animal prices turn up and when producers respond, but the current lag appears longer than usual and the response more timid. Hog farmers have indicated that fall farrowings would be down 11 percent from a year earlier and that early spring farrowings will drop 4 percent. Weekly market data still give no solid evidence that either sow or cow slaughter is falling off enough to support additions to the breeding herd. Also, the number of chicks placed in broiler houses during January-September was the same as last year, and the broiler laying flock has been reduced.

Hog futures still are only in the low $50s for next summer and well below $50 by late 1983. Futures prices of fed cattle are too low to protect a profit in the first half of next year. Since bankers use futures prices as a barometer of next year's markets, they have shown little enthusiasm for expanding loans to livestock feeders. Also adding to lenders' caution is the recent decline in land values; the prospect of further declines is reducing farmers' borrowing capacity.

Even though farmers are currently returning a profit in many of their livestock operations, the pessimistic price outlook displayed in the futures markets, historically high real interest rates, and a high debt burden are restraining livestock expansion plans, as producers improve cash flow, concludes.

European trade official meets with AFBF

PARK RIDGE, Ill. — Sir Henry Plumb, European trade official, farm organization leader and farmer from Great Britain, will address the 64th annual meeting of the American Farm Bureau Federation in Dallas, Texas next month.

To address the general session Tue., Jan. 11, 1983, Plumb is the Conservative member for Great Britain in the European Parliament. Elected in the first Direct Elections in June 1979, he was subsequently elected chairman of the Parliament's Committee on Agriculture the following September.

Sir Henry, who farms in Coleshill, Warwickshire, was knighted in 1973. He was awarded the Order of Merit from the Federal Republic of Germany in 1978

He retired in 1979 as president of the National Farmers' Union of England and is immediate past president of the International Federation of Agricultural Producers.

Sir Henry has a continuing interest in youth organizations having himself been one of the first young farmers to become an office holder in the National Farmers' Union.

He has been president of the Royal Agricultural Society of England and is now deputy president of the Royal Association of British Dairy Farmers as well as independent chairman of National Cattle Breeders Association. Long interested in animal health, he has recently become a member of the Council of the Royal Veterinary College.

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Dairy output continues record flow

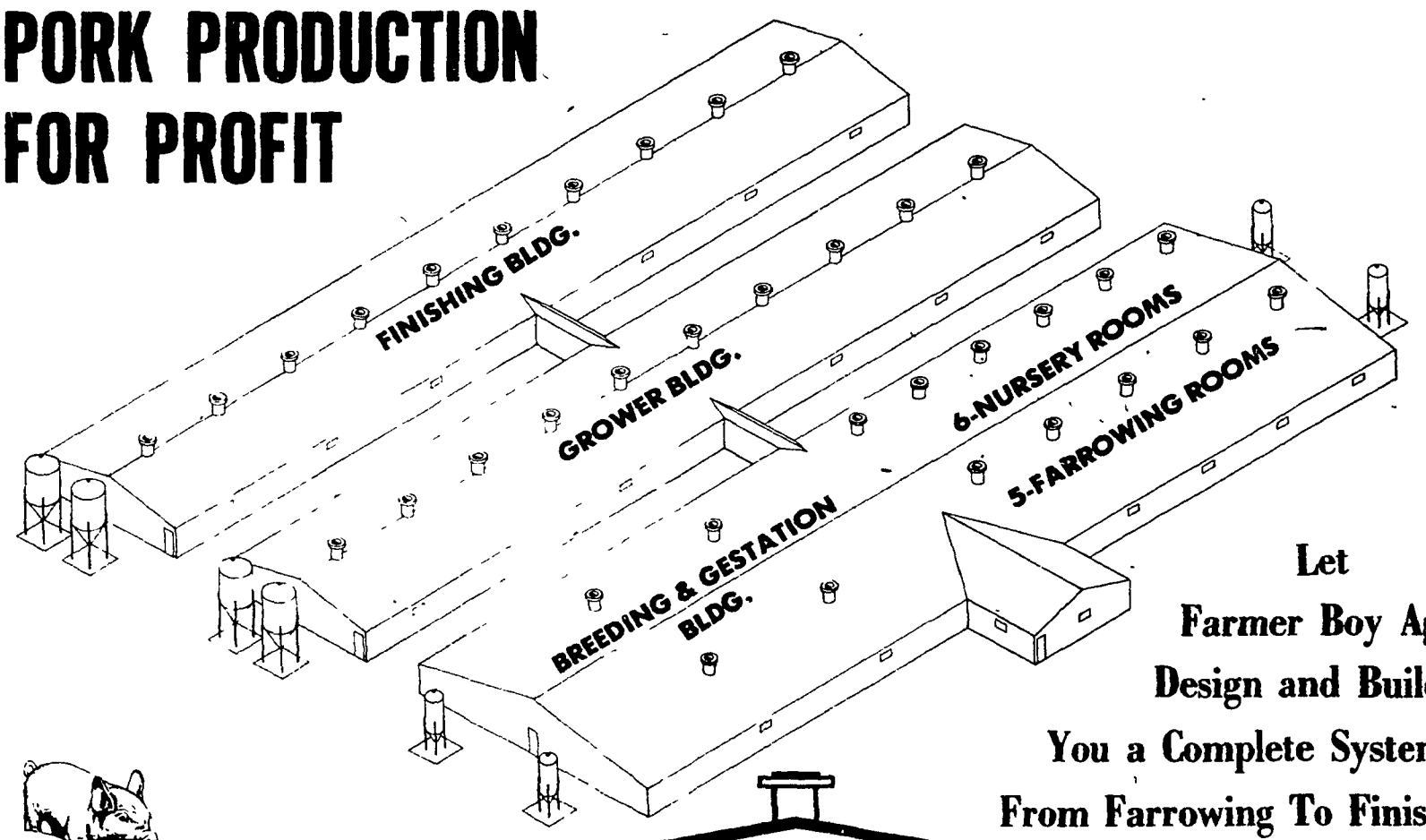
WASHINGTON, DC — U.S. Department of Agriculture economists report that, during the third quarter, milk production increased 2.3 percent from a year earlier. The milk cow inventory was up 101,000 head (less than 1 percent), and output per cow increased 42 pounds (1.4 percent). For 1981/82 (October-September), milk production totaled 134.3 billion pounds, a 2-percent increase from a year earlier.

With a record-large number of dairyherd replacements per 100 milk cows available on July 1, the herd is expected to remain larger than a year earlier through most of 1983. In addition, the milk-feed price relationship is expected to continue to favor heavy concentrate feeding. Thus, year-over-year gains in output per cow are expected. As a result, this year's production will be about 2 percent above the record 132.6 billion pounds in 1981. Gains in production seem likely through most of 1983—with output for the year up 1 to 3 percent.

Net purchases (delivery basis) by the Commodity Credit Corporation totaled 13.8 billion pounds (milk equivalent) in 1981/82, 9.4 percent above the previous year's record. On a product-weight basis, 382 million pounds of butter, 599 million of cheese, and 954 million of nonfat dry milk were purchased.

Milk-equivalent purchases in 1982/83 are expected to be about 11 to 17 billion pounds.

PORK PRODUCTION FOR PROFIT



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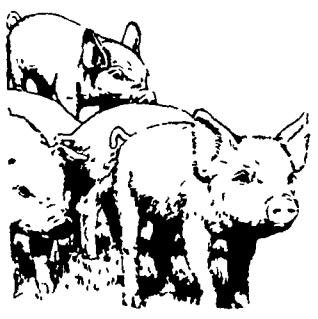

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Adams County DHIA Monthly Report

Pennsylvania Dairy Herd Improvement Association

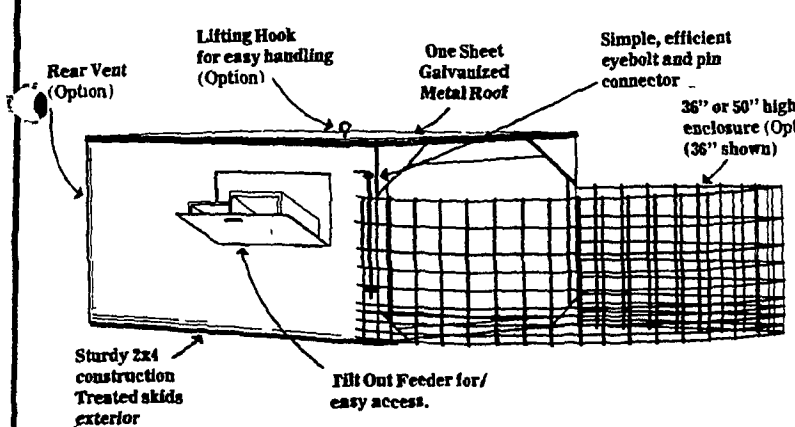
October, 1982

OWNER	BRD	NO. COW	DAYS IN MILK	LBS. MILK	LBS. FAT
Noel & Holmes	3	59.5	87.9	19,813	755
Kling Ayr Farms	3	35.2	90.2	20,952	742
William Myers	B3	37.8	87.2	19,878	725
Weim Sharr Farms	3	59.3	85.6	19,680	716
Brown Valley Farm	3	73.9	87.7	18,545	709
Penn Gate Farm	3	50.9	88.4	18,520	696
Stoner Bros. Dairy	G3	72.2	88.1	19,332	694
Roy A Weaner Jr.	3	55.5	88.4	17,925	694
Yelow-Buttercup Farm	3	118.0	87.4	17,416	684
El Rho Farm	3	56.6	86.0	17,689	676
[illegible] Dutterer	G3	63.3	86.7	16,570	652
Leroy Deputy	B3	132.6	83.8	16,729	644
Eugene Witter	B3	72.6	89.0	16,863	643
William C Mearns Jr.	B3	88.8	85.4	16,918	641
Piney Lane Guernseys	2	58.3	87.8	13,353	641
M J Starner & Sons	B3	114.9	88.9	16,049	638
Claude Holmes Jr	3	48.6	79.6	16,472	625
Milton R Hoffman	3	38.5	90.3	16,751	622
Stone Manor Dairy	3	47.3	88.6	16,888	622
Adam F Lobaugh	3	44.4	87.1	17,012	619
George I Lauchman	B8	35.4	84.9	16,824	612
Getty Acres	B3	171.8	83.6	16,210	607
Way Brite Farms	B3	137.1	87.1	15,972	605
Richard K Herr	B3	104.2	86.3	16,193	601
Wayne H Rodgers	B3	84.3	86.5	16,020	599
Buttonwood Farms	3	128.8	86.5	17,028	599
Kraybill Miller	B3	46.2	86.3	15,828	591
Robel Acres	3	93.0	87.5	16,444	589
Grove Bros	B3	77.2	85.6	16,356	584
Lagging Stream Farm	B3	117.3	81.2	15,012	583
John J Hess	B3	111.4	85.7	15,157	583
GRN Manor Guernseys	8	25.2	85.4	12,184	582
Ber Crk	3	63.6	86.5	15,261	578
Oscar E Mehring	B3	34.9	89.3	15,144	577
Donald Todt	B3	51.2	85.2	15,880	574
Knud A Hermansen	G3	95.2	84.7	16,112	572
Zeppdale Farms	B3	113.4	86.6	15,151	564
Roger L Sprague	B3	54 6	88.2	14,804	562
Kehr Acres	3	68.1	87.5	15,408	558
Rinker Bros	G3	42.6	83.7	15,001	554
Rhodes Enterprises	B3	98.6	87.3	14,549	550
Bowlder Valley	B3	59.3	85.0	14,917	548
Robert & Linda Meyers	B3	77.1	85.6	15,129	548
Kevin S Holtzinger	B3	218.9	87.2	14,749	545
James E. Miller	2	41.1	80.4	11,672	543
Pleasant Acres	B3	55.6	87.4	12,744	524
Wm Inskip	G3	68.2	88.2	13,830	520
Frank Ludwig	B3	37.4	82.2	14,137	519
MR & CS Durboraw	B3	59.4	86.2	13,805	518
Leroy Basehoar	B3	64.8	82.2	13,233	512
Home Side Acres	B3	47.2	84.0	13,471	502
Richard Mills	G3	47.7	84.9	12,030	501
Pennstead Farm	3	39.7	88 8	13,469	501
Guy Tanger	3	33.2	83.2	13,441	493
Shamrock Farm	B3	62.2	85.0	13,135	486
Robert L Rohrbaugh	B3	66.6	87.1	14,615	484
Terrence P Murren	2	27.0	83.7	10,350	470
J Howard Stiles	4	50.7	85.6	9,329	470
Glenn & Janet Lippy	B3	116 3	87.7	11,694	462
H & W Farms	B3	64 7	83 1	12,069	461
Bonnie-Bud Acres	4	34 3	87 9	9,568	453
Robert C Hoffman	B3	20 4	95 2	11,767	442
James C Behney	G3	52 7	84 9	11,374	415

OWNER NAME OR NUMBER	BREED	AGE	DAYS IN MILK	LBS. MILK	% FAT	LBS. FAT
Noel & Holmes						
Alpha	3	6-9	305	22,011	3 6	791
Vena	3	5-11	305	25,761	4.4	1,133
Ripple	3	5-7	305	19,344	4.4	859
Santee	3	4-2	305	23,701	3.4	816
Mintee	3	3-10	305	26,412	3 4	905
Anna	3	3-5	305	21,609	3 8	816
Brown Valley Farm						
Alisa	3	5-5	301	21,493	3 2	684
Hattie	3	4-2	305	23,468	3 5	833
Elevate	3	3-4	305	18,628	4 0	741
Penn Gate Farm						
Vickie	3	10-5	305	29,753	3 8	1,140
El Abbey	3	5-8	305	30,235	3 7	1,126
Happy	3	4-11	305	19,774	3 5	700
Adam F Lobaugh						
Sparkle	3	9-6	305	17,751	4 0	710
Olga	3	3-11	305	24,652	3.4	831
Oba	3	2-8	305	19,675	3 8	753
Robel Acres						
32	3	7-0	305	23,800	3.6	847
67	3	6-5	284	17,135	4 2	725
53	3	4-3	305	20,823	3 4	710
155	3	4-1	304	22,894	3 9	882
Piney Lane Guernseys						
Poem	2	10-2	305	17,670	4 7	822
Pep	2	6-05	305	12,917	5 2	673
Patsy	2	4-6	305	13,673	5 1	692
M.J. Starner & Sons						
108	3	11-11	305	20,806	3 6	746
168	3	5-2	305	22,218	3 4	764
112	3	4-6	305	20,128	4 0	809
Frank Ludwig						
Kely 132	3	9-6	305	15,287	4 3	664
Leroy Basehoar						
20	3	6-3	305	20,890	3 6	748
33	3	5-5	259	18,504	4 1	754
68	3	2-10	301	16,576	4 5	738
Donald Todt						
40	3	4-2	301	18,129	3 7	666
Kraybill Miller						
Bonnie	3	4-6	278	19,293	3 4	658
Buttonwood Farms						
Bretina	3	5-3	290	22,164	3 5	781
Pat	3	4-2	299	22,197	3 3	727
James E. Miller						
Rita	2	3-6	305	13,457	4 9	664
Roy A. Weaner, Jr.						
5	3	8-1	305	22,205	3.8	848
Lagging Stream Farm						
Dinah	3	9-6	305	21,549	3.8	817
Galazie	3	7-4	305	19,007	4.1	773
Myra	3	6-3	305	22,815	3.7	845
Ettie	3	4-3	305	16,968	3.8	652
Kehr Acres						
163	3	11-1	305	18,361	3.6	666
159	3	10-1	305	19,619	3 8	753
74	3	4-1	305	21,499	3 5	744
John J Hess						
70	3	10-7	305	19,977	3 8	7556
119	3	5-10	305	16,133	4.0	651
62	3	5 2	265	17,851	3.7	662
Wendy	3	4-10	305	19,753	4 0	798
Alice	3	4 10	305	20,695	4 1	841
Wm Inskip						
27	3	5 3	305	17,254	4 1	709
Glenn & Janet Lippy						
Sue	3	3-6	305	17,757	3 7	651
Ray Dutterer						
Chris	3	4-1	302	15,718	4 2	664
110	3	2-7	305	16,126	4 4	703
Shamrock Farm						
35	3	4-11	305	17,678	4 0	702
El Rho Farm						
Paula	3	10-11	305	17,039	4 4	743
Melinda	3	8-1	305	18,852	4 0	748
Leanna	3	5-4	305	22,520	3 5	787
Melissa	3	5-7	305	22,175	4 0	876
Rhoda	3	3-4	305	23,692	3.6	853
Rhonda	9	3-3	305	21,845	3 5	769
Peppy	3	4-3	305	21,837	4 3	934
Yelow-Buttercup Farm						
59	3	7-0	294	18,726	3 8	720
10	3	5-5	305	22,685	4 0	909
35	3	4-1	302	23,139	3 4	797
55	3	3-7	305	19,735	4 2	820
63	3	3-4	305	20,249	3 9	799
Wayner H Rodgers						
6	3	5 2	305	16,309	4 2	689
71	3	2-6	304	18,965	3 6	677
Roger L Sprague						
Dandy	3	3-11	305	15,607	4 5	701
Weim Sharr Farms						
135	3	6-6	305	26,335	3 7	965
86	3	5 4	305	22,104	3 5	773
Willima C Mearns, Jr						
75	3	5-0	280	21,743	3.1	711
Grove Bros						
78	3	5-10	273	22,537	3 2	723
55	3	5 11	265	19,222	4 0	770
7	3	0-0	280	21,908	3 3	729
40	3	3-5	272	17,453	4 1	721
Eugene Witter						
Cora	3	4-0	305	20,108	3 6	714
Way Brite Farms						
77	3	4-5	305	19,161	3 5	672
G17	3	3-6	305	15,643	4 4	686
Oscar E. Mehring						
Debby	8	5-9	290	19,310	4.0	768
Christi	3	0-0	305	14,955	4.9	729
Holly	3	4-11	305	17,369	4.0	692
Comet	3	4-0	302	18,288	4.1	756
Leroy Deputy						
Mable	3	9-1	305	22,587	3 5	780
Thelma	3	6-7	305	20,461	3.5	709
Dustin	3	6-6	305	24,719	3 6	883
Sugar	3	5-4	305	17,235	4 3	740
Bambi	3	5-3	305	19,897	3 5	701
Bitters	3	3 11	305	15,772	4.7	738
Debra	3	3-5	305	15,540	4.4	685
Claude Holmes, Jr						
Edie	3	7-8	305	15,738	4 4	699
Missy	3	3-5	305	18,105	3 8	689
Rinker Bros.						
Hana	3	6-6	305	18,989	3 5	656
Jackie	3	5-7	305	18,260	4 2	770
Getty Acres						
26	3	10-6	291	15,933	4 1	657
88	3	8-3	263	18,624	4.2	773
274	3	4-1	305	19,375	3 5	680
313	3	3-7	270	16.458	4 0	652

(Turn to Page C6)

Compare the Stoltzfus Woodwork Calf Hutch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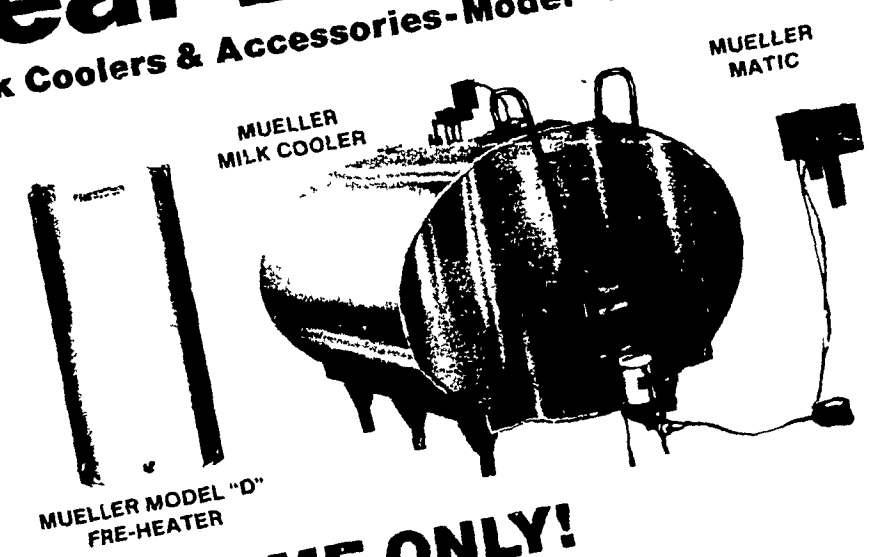

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Pennsylvania Dairy Herd Improvement Association

Sulbra DHIA Monthly Report

October 1982
Herd averaged above 650 pounds of fat:

Raymond Norconk	3	41.3	84 7	17,797	691
William Hottenstein	3	50.5	84.6	18,954	677
Dennis-Vickie Boyd	3	30.6	82.0	18,711	669
Geo. & Wm. Lambert	3	110 7	90 4	18,062	666
C E Arey & R Coombs	3	45.2	87.7	18,076	654

Adams Co. DHIA

(Continued from Page C5)

Zeppdale Farms						
116	3	3-10	305	18,578	3 9	722
136	3	3 1	305	21,533	3 7	801
Rhodes Enterprises						
46	3	7 7	305	15,118	4.7	703
127	3	6-01	305	22,189	3 6	807
110	3	5-1	305	17,324	4.1	714
118	3	4-1	305	20,661	3.4	699
109	3	6-1	305	17,050	4 6	788
128	3	3-6	305	18,840	3 8	709
102	3	3-0	305	20,099	3.8	765
Ber Crk						
Mildred	3	6-1	305	17,517	4 0	694
Eva	3	6-0	302	17,819	4.0	720
Echo	3	4-9	305	19,772	3 6	707
George I Lauchman						
Paula	3	5 10	278	19,527	3.8	743
May	3	3-11	305	19,148	3.5	674
Abbie	3	3-4	305	22,000	3 3	722
Kevin S Holtzinger						
11	3	5-10	298	19,101	3 8	720
Bowlder Valley						
24	3	4 5	305	23,047	3 7	853
Home Side Acres						
Ruth	3	4-7	305	16,612	4 2	705
Nessa	3	6-4	305	17,766	4 7	843
Milton R. Hoffman						
32	3	4-2	305	20,556	3 6	740
Knud A Hermansen						
132	3	6-2	305	22,131	3 2	705
158	3	4-4	305	17,894	3 8	684
Richard K Herr						
10	3	6-1	305	21,364	3 7	788
Elletta	3	6 2	293	16,192	4.1	662
126	3	5-3	305	26,587	4 1	1086
71	3	5-2	291	16,940	4.1	692
22	3	4-6	305	17,114	4 1	697
23	3	3-3	305	19,727	4 0	796
59	3	3-5	305	21,806	3 0	664

Completed lactations of 750 pounds or more of butterfat.

Richard R. Higley						
Nulick	3	9-4	305	22,474	4.2	942
Darlene	3	4-9	305	23,900	3.8	916
Gwen	3	3-8	305	19,442	4.3	841
Ronald Hembury						
Pam	3	5-11	305	23,585	3.8	894
C E Arey & R Coombs						
Agnes	3	3-3	305	19,756	4.4	875
Earl & James Warburton						
Merry	3	3-3	305	18,754	4.6	856
Geo. & Wm. Lambert						
Toni	3	4-3	305	23,254	3.7	852
Judy	3	9-4	305	20,467	3.8	775
Kevin L Ferris						
Jane	3	4-8	305	22,495	3.7	842
R L & Tracy McCarty						
Molly	5	9-0	305	21,097	4.0	837
Elevate	3	4-11	305	19,125	4.3	821
William Hottenstein						
Nicole	3	6-3	302	25,079	3.3	832
Beth	3	6-1	305	27,080	2.9	783
Holly	3	4-2	305	22,174	3.4	765
Raymond Norconk						
Lottie	3	5-7	304	17,533	4.5	793
Willow	3	4-2	274	19,632	4.0	791
Pearl	3	6-10	304	20,558	3.8	788

CLEARFIELD COUNTY DHIA
October, 1982

Following are the cows completing lactations over 750 pounds of butterfat on the October, 1982 DHIA Report.

A L. Orner Sons				
Jean	H	18830	5.4	1017
R Wriglesworth & Son				
Jewel	H	18074	4.7	848
Casey	H	20648	4.1	837
Hazle	H	17777	4.4	791
Lawrence Ecklund				
Holly	H	20201	3.8	777
Glenn Hicks				
Faith	H	23911	3.4	817
Roger Young				
22	H	20977	4.0	843
Fairman Farms				
85	H	17697	4.3	763
John Sankey				
Dorothy	H	18172	4.6	832
Kathy	H	20675	4.2	871
Jenny	H	19572	4.4	869

Following are the Clearfield County herds producing more than 650 pounds of butterfat:

John Sankey	3	28.8	89.0	18765	727
A.L. Orner Sons	B3	68.3	86.9	18459	700
Glenn Hicks	B3	56.4	90.6	19396	691
R Wriglesworth & Son	B3	51.4	85.4	18018	689

CENTRE COUNTY DHIA
September 1982

The high herd in the Centre County D.H.I.A. for September was Valley Wide Farm, Spring Mills, R.D. 2. The Valley Wide Farm herd of 77 cows had a rolling herd average of 21,095 pounds of milk and 819 pounds butterfat with 87.5 per cent days in milk.

Joseph Hartle, Jr.	68	87.9	21,597	809
Jay Houser	54	89.5	22,016	807
Lynn & Margaret Neet	87	90 7	22,259	805
Richard & James Graham	100	88.6	23,261	794
Richard Trinca	44	86.6	21,113	792
James & Susan Howes	50	85.1	21,667	773
L. Thomas Musser	47	87.5	18,528	750
Evan & Ricky Homan	57	86.1	19,394	745
John Ishler	60	87.2	19,065	727
Stringers Sand Ridge	66	87.3	18,252	715
Jesse & Mary Burkholder	42	83.9	19,852	685
Daniel & William Boob	66	88.7	18,573	685
Jerry Weight	105	92.0	19,069	677
Franklin Rossman	49	84.8	18,188	677
Paul Hartle	39	86.9	17,965	675
Tussey View Farms, Inc.	96	85.1	18,386	663
Rodney Reese	93	88.2	18,132	661
Ned Deitrich	64	89.2	17,678	657
Thomas & Sherry Craig	61	86.3	17,861	655
Old Fort Farm	40	88.2	17,646	655
Penn State	126	86.4	18,429	654
George Futhey	108	88.5	17,796	652
Doug & Teresa Homan	59	84.1	17,989	560

The ten high individual cow actual production records in D H.I A. produced on a two times a day milking in 305 days or less were in the following herds:

George Homan & Sons	27,329	4 2	1151
Richard & James Graham	29,315	3.9	1132
James & Susan Howes	31,428	3.5	1099
L. Thomas Musser	19,867	5.0	1000
James & Susan Howes	24,399	4.1	992
Evan & Ricky Homan	23,484	4 2	991
Jay Houser	26,232	3.8	984
John Ishler	20,167	4.8	973
Lynn & Margaret Neet	25,224	3.9	972
Valley Wide Farm	23,866	4.1	969

CECIL CO. DHIA
OCTOBER, 1982

Following are the top ten herds for October 1982 in Cecil County participating in the DHI program. These results are based on a Fat Corrected Milk basis.

Cherry Valley Farm	127	53.8	1.91	54.3
Dix-Lee	50	51.5	1.92	53.5
Long Green Farms, Inc.	129	47.9	1.82	50.2
Elm-Brook	42	41.9	1.96	49.8
Pioneer Valley Farm	130	50.0	1.62	47.9
Allred & Herring	82	47.9	1.65	47.5
Lovdal Farms	73	42.1	1.72	46.1
Zion Meadows	81	48.0	1.48	44.7
Carl C. Stafford	71	42.3	1.55	43.4
R.D. Dempsey & Sons	88	41.2	1.53	42.6

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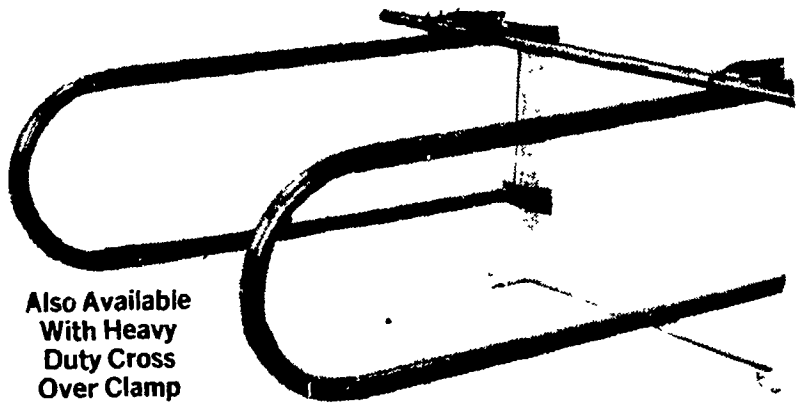

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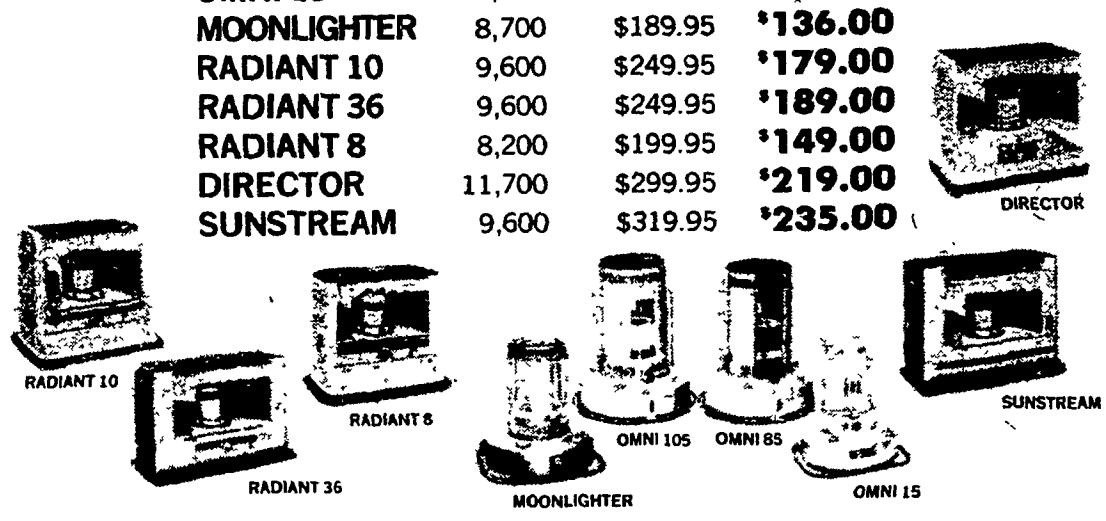
OMNI 85	13,100	$259,95	$189.00
OMNI 15	8,700	$169.95	$124.00
MOONLIGHTER	8,700	$189.95	$136.00
RADIANT 10	9,600	$249.95	$179.00
RADIANT 36	9,600	$249.95	$189.00
RADIANT 8	8,200	$199.95	$149.00
DIRECTOR	11,700	$299.95	$219.00
SUNSTREAM	9,600	$319.95	$235.00



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Farm Talk

Jerry Webb

Who really has control of the land?

When it gets right down to ownership rights, the farmer is in a strange position. If he owns a piece of farmland, he probably figures he has the right to do just about anything he wants with it. He also figures that he controls all the rights associated with that piece of land. The fact of the matter is he's probably wrong on both counts.

Maybe in the early days of American agriculture farmers did have the right to do just about what they wanted. But as our country has become more civilized and sophisticated, we've all given up some of those early rights and in their place have accepted laws and rules and regulations that appear to be in the public good.

Land rights have always been a matter of great concern in this country. Many of our early settlers came here because they didn't like European land rights. And then they found some of those same kinds of laws governing them in this country. And so they moved west for new kinds of land rights.

Homesteaders were given land providing they followed certain rules. The sheep men and the cattlemen waged wars over land rights and farmers and ranchers battled one another over boundary lines, access to water, and other issues that dealt with an individual's right to do what he wanted with his land.

Some of our earlier farmers solved their land right problems by just moving farther west anytime things got a little restrictive. There was a time when as one writer put it, "If you could see the smoke from your neighbor's chimney, he was too close and it was time to move west."

Those days are gone with the settlement of the last good government land and so now farmers must adjust to their neighbors and to the rules and regulations of the society where they live. There is still some shifting around as farmers try to make the best of the situation. Here in the East, farmers have been known to trade a small farm in the midst of a subdivision for a larger one farther west. But you can't go far enough west anymore to avoid the rules and regulations and the rights of others.

The whole question of land rights poses some great philosophical problems and puts farmers and their city cousins on different sides of an issue. Most farmers feel they do have the right to do almost anything on their own land and they get fighting mad when the government, in its many forms, tells them that in fact they don't. For instance, they don't have the right to pollute the air, to allow runoff to pollute other peoples' water, to farm in such a way that it creates health and safety hazards or causes an unnecessary nuisance.

At the same time, these governmental units are telling farmers that other people have certain rights also. Through its laws of eminent domain, the government is saying to farmers that it has a right to build roads wherever needed in the public good and that farmers have little choice in the matter. That same law also covers other non-agricultural uses of farmland, including power lines, landfills, flood control, and so on. And through zoning ordinances, the government is telling farmers how many houses can be built on their farms, where they can be built, and who can build them.

So to argue that farmers have the ultimate control of their acres just because they own them is pointless. They obviously have more control than some people who don't own those acres, but they really don't have the ultimate control. And that's a very important point. They can decide what crops to plant, the tillage methods to be used, and for the most part who can physically be present on their property.

But when it comes right down to it, some agency of the government tells them who owns the rabbits that feed on their gardens and the birds that nest in their barns. Other agencies tell them when their hogs need a deodorant, or when their barn lot runoff needs cleaning up.

If this sounds a little depressing, consider the fact that most of these agencies aren't that involved in the day-to-day operation of a typical farm. They usually get involved under extreme circumstances and their actions can be quite devastating.

Recently, some farmers have decided that they should have more rights than the government has been willing to give them. This is a reversal of a trend that has, in general, restricted their rights. Now farmers are raising strong questions about highway location, landfill selection and flood control projects that don't seem to consider the farmers' point of view. Examples abound where farmers, through group effort, have forced abandonment, postponement, and rethinking of projects that seem to run counter to good agricultural policy.

Some states are starting to realize the important and fragile nature of their farming sector and are beginning to back away from some of their governmental rights. In other instances, agencies are sitting down with farmers to plan for the overall good of as many people as possible. And sometimes when this kind of planning and thinking is done, everyone benefits.

Farmers can get downright unreasonable when told by someone else what they must do with their land. On the other hand, when they understand that they, in fact, are causing a problem or are hurting other people, they can be most cooperative and understanding.

The many agencies and individuals who would like to use farmland or to alter the way farmers use it, should remember that as owners and taxpayers, those farmers still have some rights and they deserve thoughtful consideration.

Crews to speak at Pa. Dairymen's banquet

LANCASTER — Guy Crews, assistant secretary of the National All-Jersey Inc., will be guest speaker for the annual meeting and banquet of the Pennsylvania Dairymen's Association, Tuesday, Jan.11, at the Penn Harris Motor Inn in Camp Hill.

Crews will be speaking on "Pricing milk on its end value."

The reception will begin at 6 p.m. and the banquet at 6:30 p.m.

Tickets are available through the Camp Hill office.

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Migro HP-360	11	146.8
Migro HP-401	8	154.0
Migro HP-470	24	167.3
Migro M-0707	7	171.6
Migro SPX-77	10	176.7
Migro HP-87	6	170.0
Migro HP-771	8	174.4

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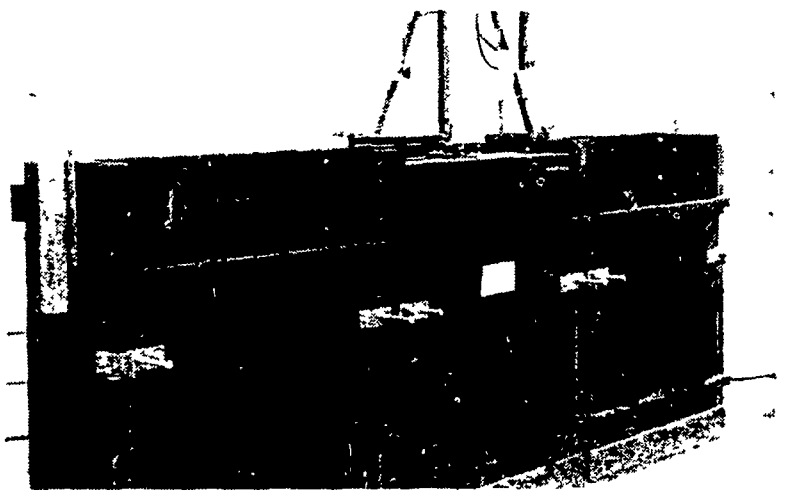

Maryland tobacco has found its way to market in the Pennsylvania area. A new method has been designed to pack this type tobacco. Size and grade of these bales are important for marketing this tobacco in the Southern States.

A baling box machine should be used which puts up tobacco in 22" bales and weigh 75 to 80 lbs. This size is very important for marketing in Southern auctions. Also lower moisture in this type tobacco is required by the Southern buyers. Cotton twine must be used to tie bales. Proper processing is important. If you have any questions about selling or handling Maryland tobacco, call the local buyers at, E.J. Parker Tobacco Co. Warehouse - Lancaster, Pa. 717-291-5588.

For more information on the three-bin tobacco press call Lancaster Silo Co., Lancaster, PA. 717-299-3721
Ask for Larry - Wayne or Dave.

Bale Unit - Less Operating Cylinder	$295.00
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Bale Unit - With Cylinder Press	$550.00

USDA changes grain inspection fees

WASHINGTON, D.C. — Effective Jan. 1, the U.S. Department of Agriculture will increase some official grain inspection and weighing fees, decrease some supervision fees and alter the assessment method of certain fees.

Fees assessed to delegated and designated official agencies for USDA's Federal Grain Inspection Service supervision will include these changes:

- Truck inspection fees will go from $1 to 75 cents;
- Protein reinspection fees will go from 75 to 25 cents; and
- "Factor only" fees will be limited to two factors; more than two factors will be assessed the full carrier fee.

Fees for original inspection, official — Class X — weighing, and supervision of weighing — Class Y — services in the U.S. and Canada will increase, ranging from 6 to 28 percent. Examples are:

- Hourly fees for original inspection services under contract in the U.S. during regular workdays will go from $18.60 to $21.80 and for non-regular — night, weekend and holiday — workdays, from $22 to $25.20. In Canada, hourly fees under contract will increase from $24.40 to $26.80 for regular workdays and from $28.40 to $31.20 for non-regular workdays.
- Hourly fees for official — Class X — weighing services under contract in the U.S. during regular workdays will go from $20.60 to $21.80. In Canada, hourly fees under contract will increase from $24.40 to $26.80 for regular workdays.

Appeal and reinspection fees will increase and be assessed each time a reinspection or appeal is performed, regardless of a material error determination.

In addition, separate fees will be assessed to cover travel costs when special services, reinspection or appeal inspection services are performed more than 20 miles from the USDA field office location or assigned duty station.

Federal Grain Inspection Service Administrator Kenneth A. Gilles said, "Revenue has not adequately covered the costs of providing most of the official inspection services despite every effort made to cut these costs. USDA plans further cost reductions for fiscal year 1983, and we will continue to monitor costs and revenues so that fees can be kept at the minimum level necessary to assure effective service."

Thomasville 4-H holds Achievement Night

THOMASVILLE — The Thomasville 4-H Club held its annual Achievement Night recently at the 4-H Center near Bair.

Trophies for projects were awarded to: Bridgette Boyer, Gary Burgard, Sue Eisenhart, Trini Jowanwitch, Christine Shaffer, Christine Wolf, Lee Ann Zeigler, Jenelle Boyer, Beverly Eisenhart, Jon Haskins, Tim Jowanowitch, Tina Shaffer, Debra Wolf, Grace Brodbeck, Steve Eisenhart, Ronald Horn, Tammy Parr, Darren Smallwood, and Mike Zeigler.

Alumni pins were awarded to Carol Haskins and Roy Thompson; and scrapbooks to Mike Welsh and Rob Haskins, state winners.

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Capacity King 1250. The largest capacity pull-type harvester on the market. Gehl's exclusive 24" spinner delivery system keeps forage moving with no cross augers to plug. The giant, 9-knife, 25½" cylinder gives a quality cut. And the new cutterbar adjustment is the easiest anywhere. In-head hydraulic knife sharpener and electric controls are standard too.

New mid-range 1000 gives you the high capacity you'd expect from the big 21" cylinder and fast spinner delivery system. Like the 1250, standard features include the in-head hydraulic knife sharpener, adjustable axles, one-way shear bolt protection and attachment down-stop.

Fuel saver 750 tackles just about any chopping job. Uses less horsepower per ton chopped than many bigger harvesters. Uses less fuel. The 8-knife cutterhead is set into the blower compartment for smooth, continuous material flow. Add Gehl's patented in-head hydraulic knife sharpener for even more cutting efficiency.

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JD 4320 tractor, new 18.4x38 rubber, dlf. lock, $9,500. JD 4030 tractor, good tires, dual hyd., clean, $10,500. 609-455-3462 or 769-4025

For Sale - White 5400 air 4-row planter seed monitors dry fertilizer hoppers $2700. Farmall H tractor with cultivators $800. John Deere 18 disc grain drill $500. 10' gandy applicators $150. 4-row 3 pt. Fergurson cultivator $600. 609-769-3245

Owatonna Mixer-Mill in fair condition $1150. 717-738-1274

For Sale - Custom built 2 row cornplanters using John Deere Max-Emerge plateless units. Can be pulled behind Pequea plow chassis using same hydraulic system. Early Order Discounts. Also horse drawn corn planters converted to plateless or row kits for self installation. 2 mi. North of Rt. 40 along Rt. 897 Lanc. Co. Gideon F. Stoltzfus, RD #2, Gap, Pa. Box 2276, 17527

Badger 10' manure pump, 1 year old. 301-592-7992

FARM EQUIPMENT

20 Jamesway staunchions. 301-592-7992

Wanted - good used JD 6600 or JD 4400 or Gleaner F combine. 814-328-2364 or 814-849-5754 after 7 p.m.

Restored John Deere MT cultivators, 2 bottom plows, sickle bar and hay rake. Call 717-992-5130 anytime. $2,400.

Deutz D-7206 tractor, 3442 hrs., roll-guard, 2-remote valves, new 16.9x34 tires 301-662-7701

For Sale - Bulk feed truck, '71 IH 1890 w/14' dump van, air brakes, excell rubber. 33,000 GVW. Phone 717-784-4285 day or 717-784-6359 evenings.

NI manure spreader, ground driven, almost new $995, 717-354-0266

Notice - Tractor and small engine overhauling done at a reasonable rate. Experienced. Stephen S. Fisher, R.D. 1, Box 114, Lincoln University, PA 19352

For Sale - Bearcat grinder-mixer, Adams Co. Call evenings. 717-334-1501.

770 Case tractor, 1972 gas model, new condition, hydrostatic, 5 gears, will sacrifice. 301-879-1811

FARM EQUIPMENT

JD 4000 diesel, side console, 72 model, 814-793-4293

Prentice Knuckle Boom log loader mounted behind cab on 66 Intl. tandem with log bed, good condition, hauling daily, $8,500. 703-721-3408

For Sale - JD 520, PS, 3 pt., NFE, excellent condition, 914-355-4571

JD 3020 diesel, wide front w/rollguard 814-793-4293

Franklin 132 AXL log skidder w/3-53 Detroit engine, 4 like new Firestone LF-2 tires. A set of ring chains, machine in good cond., asking $15,000, call after 6 p.m. 717-248-1827

Ford 3400 backhoe and loader. 814-793-4293

For Sale - Rolled JD 3300 combine, gas, 10' platform, for parts or fix it up 215-869-8745

For Sale - MF 205 manure spreader, good cond. 717-687-6360

MF 1085 w/cab 814-793-4293

1982 Honda Big Red, 200E excell., cond. Asking $1425, 717-426-2655

For Sale - White tractor 2-62-4-W drive $17,500, JD 336 baler $6,300, JD 1209 Haybine $3,500. Chester Co. 215-593-5042.

FARM EQUIPMENT

JD 6600 combine, 215 flex head, 643 corn head, JD 4240, both very low hours. 717-632-0141

Wisconsin 4 cylinder engine with Rockford clutch and tumble bar, $250 cash. Call 717-588-6350 eves.

Model AC Gleaner combine, diesel, 4 row narrow corn head, 12' platform, interest and payments waived until Sept. 19, 1983, $7,000. 215-932-2753 or 215-932-2754

Wanted - Gehl No 65 Mixall. Christ B. Stoltzfus, Christiana R#1 Box 330, Pa. 17509

42 Frey Bros. freestall dividers. 301-592-7992

IHC 815 combine, diesel, 4 row corn head, 30" 13' grain head, A-1 condition 215-689-9376

For Sale - NH L775 skid loader, Diesel, in good cond. $6500. 717-532-8601

For Sale - JD #8 harvester w/new knives. Gehl BU 82 forage box, both in good cond. 82 Honda ATC 185 S 3 wheeler. Lanc. Co. 717-665-7434

JD 4020 tractor w/new tires $7500
JD Mower Conditioner $3000
NI 8½ ton Model 244 Spreader w/endgate (new)...$7000
AC 4 Row Narrow corn head for model G...$2500
WENTZ FARM SUPPLY
Palm, Pa. 215-679-7164

Harvestore 16" belt feeder, 300' long. 301-592-7992

For Sale - DVA 1500 Slanzi diesel engine w/clutch, good condition. 717-354-8370

For Sale - Gehl BU85 forage wagon $900. JD 13 disc drill $135. JD 60H blower $250. Moving must sell. Lanc. Co. 717-859-2421

1086 IHC, 1466, 4430 JD, 4320, 4020, all used on our farm and all low hours. 717-547-2387

2840 JD diesel, high and low shift, dual outlets, 18.4x34 tires and weights, priced to sell at $10,000. 717-733-7408

AC 500 planter, shoe-type, 4 row, 32", new fertilizer boxes, new chains, must sell before year's end. 215-932-2753 or 215-932-2754

For Sale - New and used Gandy applicators for planters, balers, blowers, etc. Gideon F. Stoltzfus, RD #2, Gap, Box 2276, Pa. 17527

Kelly-Ryan hydraulic dump table. 301-592-7992

One 3020 JD diesel tractor w/side console and WFE, in good condition, $7,000 302-875-3113

JD 4620, power shift, good condition Lancaster Co., Pa. 717-284-2761

For Sale - (New) NH 310 baler super sweep pick-up w/engine $5,800 Jacob M. Fisher East Gordan Road Gordanville, PA 17529.

IH 966 diesel 3 pt. wide front, excellent condition 814-793-4293

Meyers forage box, 6x16 with roof, two way unloading, three beater, excellent condition. $1,975.00. Weaver's Hardware Co. Fleetwood, Pa. 215-944-7486

Used sawmills for sale We buy and sell. Leroy Wray, R.D. 1, Douglassville, PA 19518. 215-385-3884

HORSE EQUIPMENT
Oliver 2B 12" Raydex
NI 206 Manure Spreader
JD KBA 20 & 24 Disc
JD 9' Spring Harrow
NH 455 7' Trailer Mower
IHC 100 7' Trailer Mower
MC 7' Rotary Scythe
NI 10' Fert Drill
ELEVATORS
Stoltzfus 24'
NH 30' Corn and Hay
TOM WHEARY
Lancaster, Pa.
717-687-0102

FARM EQUIPMENT

Farmers & Dealers -- Your advertising pays for itself when you advertise your equipment in the farm equipment section. 717-394-3047 or 717-626-1164

JD 730 diesel, electric start, 3 pt. hitch, fenders, exc. cond. 814-793-4293

Combine, Harvester and Corn Head Parts For Sale off used machines. Wenger's. 717-866-2135

Farm tires and tubes, fronts, rears and implements, low, low prices, Eddie's Tire Outlet, Willow Street, PA 717-464-5008 or Chambersburg, PH 717-263-0013. Wilmington, DE 302-655-8500.

Used Farm Tractor Parts by the thousands. Wenger's. 717-866-2135.

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New and Used Parts Available for Cat, Allis Chalmers, IHC, Case, John Deere and others.
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Call or write for equipment & parts brochure.
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Route 309
Montgomeryville, PA., 18936
Phone: 215-699-3533

Combine, 3300 JD, 422 hrs., looks like new. 814-926-3669

JD 4010 w/new engine, 38" rubber, front, excellent 814-793-4293

1976 7060 AC tractor w/cab, duals 20.8x38 excellent condition. Call 215-932-2753

7G crawler loader, very good condition, asking $10,900. Will consider trade in. 717-367-9773

8 row White planter, excellent condition, 1 year old. For information call 215-932-2753

For Sale - 2 used Acorn cable barn cleaners, 170 & 180 ft. of cable, (2) 1½ h.p. reversing motors. Good for parts. Call after 7 P.M. 717-434-2697

Deutz diesel, 4 cyl., model F41-912, 65 h.p., runs good, $2,000
6" water pump, TACO model BB6012, 120 GPM, w/100' head, used for dewatering or irrigation, $1500.
Detroit diesel, 3-53 series, power unit w/radiator and PTO, $3000.
VILSMEIER EQUIPMENT INC.
Construction Equipment
Sales & Parts
Route 309
Montgomeryville, PA
18936
Phone: 215-699-3533

Lilliston model 2000 rolling cultivator, 3 pt. hitch, 186" tool bar, units complete w/front and rear gangs, coulters, etc., $1,150. 412-837-8310 days or 412-423-2791 evenings

530 JD 3 pt. and fenders, excellent condition. 814-793-4293

Snap Bean Harvester on Int. 666 hydro drive tractor complete with dump box $11,000. 609-769-3183

FARMALL TRACTORS
Cub Lo-Boy w/mower
Cub w/mower and S. Plow
Cub Disc Harrow
Super C w/f.h.
T.J. WHEARY & SONS
Lancaster, Pa
717-687-0102

For Sale
Wisconsin And
F-Cub Engine Parts
Cranks, heads, blocks, all reconditioned
T.J. Wheary & Sons
Lancaster, Pa.
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4 cyl. Perkins diesel power unit, 15 KW Katolight generator, 40 amp Lincoln straight and reverse polarity DC welder, can be used on PTO or line shaft. Used 2 years. 717-423-6794

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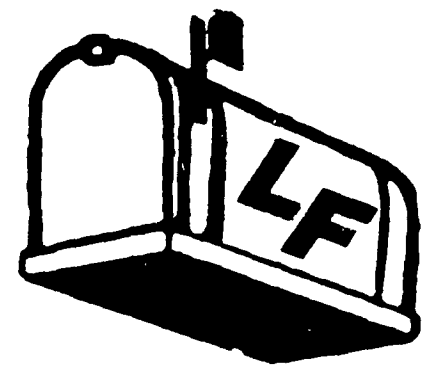

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FARM EQUIPMENT

Tree Farmer Log Skidder Diesel $5500.00, 1974 Case 800 Skidder $8500.00 Franklin Skidder $4500.00, Others, Trade, 814-793-2829 Curry Supply

Rotary mowers, Mohawk 960, 8' cut, self-leveling, good condition, $600. Also old Brillion, 5' mower solid condition, $200. 215-262-3674 7:30 A.M. - 5:00 P.M.

For Sale - JD 3020 gas, WFN, SR transmission, 16x9x34 tires. 1,511 original hrs., $4500. Also 1520 JD gas, high clearance, JD roll guard, 1,511 hrs., $4500, both tractors in good cond. 717-532-8601

1982 MF 265 diesel tractor, 500 hrs., immaculate condition, listed well below book for quick sale, $21,700 new w/accessories, now $12,500/offer. Serious buyers call collect 703-347-0191 after 8 p.m. weekdays, anytime weekends.

1977 - Melrose Bobcat 721 Diesel Hydrostatic Skid Loader $5495.00 Thomas 721 Diesel Bobcat Skid Loader $5975.00 Trade, 814-793-2829 Curry Supply

630 Bobcat tractor, 1978, 54" bucket with flotation tires, $7200. 215-543-7433

Case Uni-loaders 1537, LP gas, new paint, new bucket, rebuilt engine. 1740 diesel, new paint and pulley. T & T Supply, Danville, PA 717-275-0927

Gleaner C2 combine A-1 condition, both grain and corn heads. 302-653-7586

JD 3020 gas, wide front end w/48" loader, $4500, 717-587-4839

MF 510 hydro. stat combine in excell. cond., 1466 IH and 1086 IH w/cab and air, 717-547-2387

For Sale - 3 pt. hitch JD 7' York rake, $550. 717-687-0102

For Sale - 42 KVA generator, 240V, 87.5A, 60 cycle, 3 phase with model 4031C GM diesel 4-71 includes all electrics, $4000 firm. 215-779-7812 8 a.m. - 5 p.m. Mon. thru Fri.

For Sale - NH manure spreader, triple beater, 200 bu., good cond., $700, needs new web. 215-445-6976

NEW TRACTORS
3088
3288
584 R/C
384
254 w/loader
284 Diesel, 4 wheel drive

NEW EQUIPMENT
Morridge grain dryers in stock
720 automatic 5x18 btm. plow
510 5x18
420 3x16
350 10 ft. 3"

USED TRACTORS
Oliver 550
IH 240
Farmall C

USED EQUIPMENT
510 plow 5 bottom, 16", $1500

LAMB'S FARM MACHINERY
Thorndale, PA
Phone 215-269-2676

FARM EQUIPMENT

For Sale - Farmall 240 utility w/fast hitch, Farmall Super C, Pittsburg 12' transport disk, NI 30' elevator, IH 2 row fast hitch cultivator, NI #402 hay rake, McCormick #100 manure spreader, all field ready. 215-562-4464

For Sale - Slanzi diesel, good condition, also slow speed 7 H.P. Lister, good condition. Stephen L. Stoltzfus, Honey Brook RD #2, Box 64-A 19344 Chester County, Pa. 19344 1½ miles South of Honey Brook along Rt. 10

For Sale - JD 2940 tractor; Oliver #314 cushion trip plow $285. 717-733-0575

Cockshutt 30 tractor w/30" rear tires, exc. cond., good motor, 3 pt. hookup, $700. Small single row cultivator and tractor, $300. 215-267-6497.

Case 430D late, $2,450. Ford 8N side dist., $1,750. Cub w/mower, $1,275. JD 3020 side console, $7,250. AC HD-11 w/blade, $3,900. Case 770D power shift, $7,500. Kubota L175 w/mower, $2,750. Farmall MD $775. Case SC w/buzz saw, $995. Case 1030, $4,400. IHC 504 3 pt., needs clutch, $2,850. 607-642-8688 or 8519.

JD 4020 Diesel, wide front, pwr. shift, side consoles, $7800, 717-532-7054.

For Sale - JD Cyclone A, 12 volt, hydraulics, good tires, in good overall cond., asking $825, call after 5 p.m 215-562-4220

For Sale - NH L35 Skid steer loader w/pallet fork, has never been in manure, in A-1 condition, $4,500. 717-532-8601

For Sale - Wide front end for Farmall 06, 56, 66 series tractors, very good condition, $550. 717-624-7585 office. 717-624-2429 after 7 p.m.

IH 806 diesel, original paint, wide front, 3 pt. hitch, 814-793-4293

10' Miller disc, good condition. 814-793-4293

Pincor 15KW PTO alternator on 3 pt. hitch, like new, $895, 250 gal. fuel tank w/pump $125, 717-569-9284 evenings.

JD 2520 diesel, dual hydraulics, wide front end. 814-793-4293

DEUTZ

USED TRACTORS & EQUIPT. IN STOCK
Used Deutz D10006, 105 h p, $12,400
Used Deutz D4006, 3560 hrs, good condition, new rubber, $5,400
Used D5506, 57 h p $6,800
Farmall H, 34 h p $995
Used homemade hay tedder $400
Corn Sheller JD #43 belt drive $400

NEW TRACTORS & EQUIPT. IN STOCK
D4507 Deutz tractor, 45 h p
D6207 Deutz tractor, 62 h p
D6807 Deutz Tractor, 68 h p
D7807 Deutz tractor, 74 h p
DX 130 Deutz tractor w/cab & air 121 h p
Custom built diesel Gen Sets made to order
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Stauffer Diesel Inc.
312 West Main Street
New Holland, PA
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FARM EQUIPMENT

NH 455 and 456 mowers trailer
NI 752 Hay Crimpers
Oliver 12" & 14" trailer plows
MC 2 way plows
JD KBA 20 & 24 Discs
Olson roto-beater
JD spring harrows
NH rakes 56 & 258 nice
JD 999 Corn Planters Plateless
Vicon spreader seeders
JD 494A 4 row corn planters
NI tobacco planter 1 row
Cultipackers
Wood Stoves
10"x10"x36" Logs
Sam K. Zook
Kirkwood, Pa.
Lancaster County

SPRITE
AVCO NEW IDEA

FOR SALE
1H 574, 2800 hrs., w/Sauder loader, new rear tires, $6,300 nice cond.
Case tractor, 870, 12 spd., ps trans., good cond., $8600
Stauffer 16' 2 btr. forage box with 8 ton gear, good cond. $990
Dion 60" forage blower, good cond. $1385
Artsway 154-54" forage blower, NEW $1600
N.I. forage blower, model 620, 54" fan, good cond. $875.
NH model 469 mowditioner, $2,560 good cond.
Wic bedding chopper, model 7910, 5 h.p., $1100 (Demo)
NI #323 1 row picker, like new, 90 acres, $4,300
IH #580 manure spreader, hyd. endgate, Gratz chains, good cond. $3,600

HEISEY FARM EQUIPMENT, INC.
RD 1 Jonestown, PA
717-865-4526

USED EQUIPMENT
JD 4030 Tractor Diesel
JD 54 Manure Spreader
JD 494A Planter
JD 694A Planter
JD 4400 Combine
JD 105 Combine
JD 727 rotary mower
JD 7000, 8 row, 30" corn planter w/Liquid Fertilizers and Monitor
JD 1250 corn planter
JD 485 mower conditioner
JD 3800 Chopper
JD 2450-6 Btm. on Land Hitch Plow
Oliver 5x16 Plow

NEW EQUIPMENT
JD 7100 8-row 20" bean planter
JD 215 Disk
JD 2450-7B-16" On Land Hitch Plow

OTHER LINES NEW EQUIPMENT
NH 315 Baler w/ejector
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201-369-5241
Just 3 miles off Rt. 202
(Between Flemington & Somerville)

FARM EQUIPMENT

For Sale - IH 110 forage wagon w/3 beaters and roof, Cardinal auger, PTO driven, NH 675 manure spreader, 275 bu., feed cart 2 ton capacity, PTO or electric drive, all in good cond., Union Co. 717-966-2491

For Sale - AC D21, series 2, fully equipped, low hours, best offer. Phone evenings. 717-568-7271

Ford one row mounted picker sheller with bin, $1,200. Phone 717-784-0628

For Sale - IH 1150 grinder mixer. 717-966-3919 6-8 mornings and 6-8 evenings.

AC Gleaner rotary combine, 6 row head, like new, Lanc. Co. 215-593-6434

For Sale - 2 row rear mounted AC cultivator, $600. CHC Farms, Union Co. 717-524-9633

Long 610 tractor with snowplow, 500 hrs., $6500; 1978 Plymouth Fury, auto., 53,000 mi., 4 dr., black, $2195; York 10' pull type stone rake, $475; 1700 watt Homelite generator, $275; 3 pt. saw buck, homemade, $100. Crossley Bros. 215-845-7332

FARM EQUIPMENT

Special winter discounts on Shivvers grain drying equipment. Phone Agri-Equipment, Inc., at 717/656-4151

For Sale - One JD 2940, 4 wheel drive, good condition, 717-776-7725

Special winter discounts on Shivvers grain drying equipment. Phone Ryder Supply at 717/263-9111

2 Farmall M tractors w/bucket, one IH 400 Cyclo 4 row corn planter, one IH 3 bottom trailing disc plow w/hydraulic lift, one IH 370 12" disc w/mulcher attachment, IH 58N 8' disc, one IH 153 4 row cultivator, one 165 gallon 8 row weed sprayer, 22' steel flatbed truck body. 215-666-5410 after 6 p.m.

For Sale - MF 1085 dual hydraulics three PT 38" rubber. John Bean high boy sweet corn sprayer. 717-587-2659

Wanted - Wrecked or broken down Farmall Super C or 200 with fast hitch for parts. 717-629-0403

Special winter discounts on Shivvers grain drying equipment. Phone Connie Anderson at 609/267-5605

FARM EQUIPMENT

JD 3020 Diesel, power shift, wide front end, new front tires. 717-597-7476

For Sale - John Deere Model 30 2 row potato digger, Oliver PTO 1 Row. 717-687-0102.

JD 2510 gas, dual hydraulics, 3 pt. power steering, 3000 hours, 814-793-4293

Custom built mixers for haylage ensilage and grains or mix your own dairy feed to increase profits. Accurately weighs and mixes in minutes. For more information and prices call 215-267-2453 Rissler MFG, RD 3, Denver, PA

JD 2030 diesel w/loader, 814-793-4293

For Sale - 10' Grandy seed and fertilizer drill, like new 717-687-0102

Farmall Super C F.H.; F.H. Hay Rake; F.H. Disc Harrow; F.H. Corn Planter and Manure Loader, 717-687-0102

FMC 1 row sweet corn picker, mint condition. Call 914-457-5117

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FARM EQUIPMENT

John Bean orchard sprayer, new FMC pump, 34" fan, electric valves and controls, slip over nozzles, propane powered, including dual 100 lb. saddle tank, running condition, $3,500. 215-262-3674 7:30 A.M. - 5:00 P.M.

1981 MF 1440 round baler, used 1 season, superb condition, priced low for quick sale at $5300/offer. Serious buyers call collect 703-347-0191 after 8 p.m. weekdays, anytime weekends.

For Sale - Ford 2 rw mtd. cornpicker for parts $100, 8x16 haywagon w/running gear $500, Ford 960 tractor needs work on motor $800, call 717-838-1894

Manure spreader, unusual spreader, unusual front unloading type, PTO driven, wooden box, was used for mulching strawberries, good condition, $200. 215-262-3674 7:30 A.M.-5:00 P.M.

Wanted to buy - Rough or parts MF 1150 V8. 607-642-8688 or 8519

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Phone: 717-263-0705
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IH 656 Hydro
IH Lowboy cub
Farmall M w/PS
JD 4230 w/cab
2 JD 4020 one w/cab
2 JD 3120
JD 3020, very nice
3 JD 2130 1 w/cab
1 JD 2120
2 JD 2030 w/cab
MF 175
Ford TW 10 w/canopy
Ford 9000
Ford 8600 w/dual power
Ford 7000
New Ford 6610
3 Ford 5000, one w/dual power
Ford 4500 backhoe
2 Ford 4000, 1 w/loader
3 Ford 3000
Ford 850 w/PS
Ford 871
Ford 641 diesel
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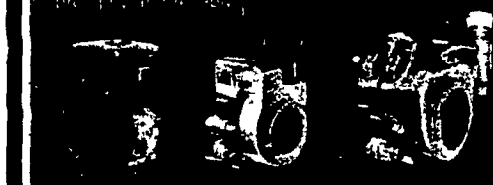

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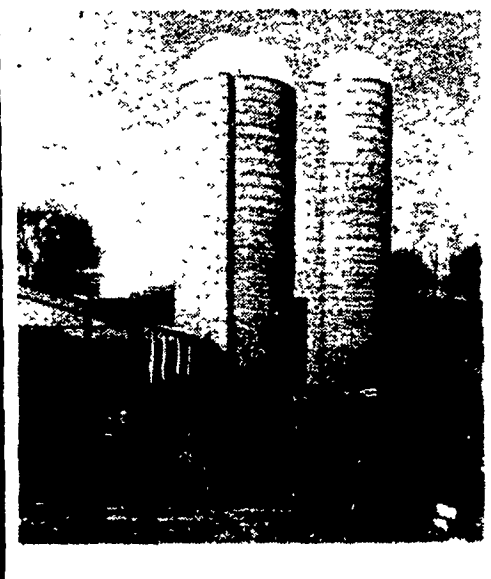

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PUT IT IN THE RECOMMENDED TYPE BALING BOX. ONLY APPROVED 3-BIN PRESS. IN STOCK

BALE UNIT - LESS CYLINDER	$295.00
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FARM EQUIPMENT

FOR SALE

MF 165
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MF 2805 w/duals
MF 265
MF 43 corn head
JD 4020
MF 550 combine w/1143 corn head
MF 321 corn head

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Joe S. Stoltzfus

FARM EQUIPMENT

WE ARE CLOSING DEC. 20, 1982 AND ALL EQUIPMENT IS PRICED WHOLESALE

1971 Case 1740 Uni Loader. $3900
1967 Case 1537 Uni Loader (LP) $2300
1973 Case 350 Loader $4900
1977 Case 450 ..... $14,000
1961 JD 3010G w/ 4x16 Semi Plow..... $4500
1977 Long 560 (53 H.P. Dsl.)..... $4000

T&T SUPPLY
717-275-0927

FARM EQUIPMENT

Ford Jubilee w/Sauder loader
JD 40 Tractor w/3 pt. Hitch & 2 R Cultiv.
AC 7045 Tractor
AC 5040 Tractor
AC 185 Tractor
AC 180D Tractor
AC 170 Gas Tractor
AC D17 Series
NI 213 Manure Spreader

ROY H. BUCH INC.
Ephrata
717-859-2441

Badger | JOHN DEERE | HESSTON FARM EQUIPMENT

USED EQUIPMENT

TRACTORS
JD 4020
IH 1256
JD 2510 Gas
MF 65 Gas
David Brown 990 Diesel
JD 1010 Crawler w/Blade
IH 340 New Tires & Paint
JD 1020 Diesel
Oliver 1550 Diesel
Ford 8N
Oliver 70
JD 70 Skid Loader

FORAGE EQUIPMENT
NH 717 w/2 Row Head
NH 880 Harvester NO Head
Gehl Forage Wagon
Badger Tandem Forage Wagon

TILLAGE EQUIPMENT
JD 2450 7 Btm. Plow
JD F-145 5 Btm. Plow
JD 845 3 Btm. 2 Way Plow
JD 10 KBA Disk
10' Culta Packer
12' Culta Packer
Ontario Grain Drill

MISC EQUIPMENT
JD 146 Loader Like New
JD Grapple Fork for 146 Loader
Woods 10' Rotary
Woods R.M. 48 Rotary 3 pt
Haban Corn Sheller 3 pt
JD #54 Rotary Like New
Sauder Loader Like New

NEW EQUIPMENT SPECIAL
Hesston 2000 100 Harvester w/2 Row Head, w/Hydraulic Sharpener
$7500

OTHER NEW EQUIPMENT
1710 11' Muich Tiller $5500.00
Landoll 7 Shank Tiller $5150.00
Allied 8x51 Grain Auger $1975.00

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Berks County's Full Line John Deere Dealer-
Serving the Oley Valley 46 years 1936-1982

THIS WEEKS TRACTOR SPECIAL
AC 6080 DEMO 83 hp No Cab
List 25,370.00 SELL $18,795.00

ALSO AVAILABLE AT SPECIAL PRICE
AC 6060, 6080 w/cab & 8030 - Call for price
MF 275 Tractor 67 hp
List 20,565.00 SELL $14,990.00

ALSO AVAILABLE AT SALE PRICE
MF 285, 2675

USED TRACTORS
AC WD45, 7000
MF 2705, 285
JD 3010, 4020, 50 w/3 pt.
Ford NAA
IH 350 M

SKID LOADERS
Bobcat 371, 600
Case 1737
Gehl 4400 Diesel

TILLAGE EQUIPMENT SPECIAL
Bush Hog Soil Hog model 1550, 9 shank
List 7,466.00 SELL $5,990.00

Peterman Farm Equipment
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Farm & Lawn Equipment - Chain Saws
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Carlisle, PA 17013

MF | Allis-Chalmers

Used Equipment Specials...

8 Ft. Cultipacker
9 Ft. Drag Harrow
Case Baler
B10 Allis Chalmers Lawn Tractor w/Mower, Tiller & Loader
3 Pt. 2 Row Cultivator
Bradley Hay Rake
Cub Tractor w. 60" rotary mower 5' sickle bar and plow

New Equipment Specials...

Shaver Post Hole Digger $595
500 Gal. Walsh Field Sprayer, 34 Ft. Boom $1,795
AMCO Disk $4495
Landoll 7 Tooth Chisel Plow $1500
8 Ton Wagon Gear ..... Was $560 ..... NOW $495
3 Pt. Backhoe ..... Call For Price!
3 Pt. Hookup Cement Mixer ..... Call For Price!

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JD 650 Tractor
JD 750 Tractor
JD 950 Tractor
JD 1050 Tractor
JD 2040 Tractor
JD 714 Forage Boxes
JD 1075 Running Gears
JD 1207, 1209 Mower Conditioners
Hesston 1014 Hyd. Swing Conditioner
JD 1710 Mulch Tiller
Bush Hog 1432 10½' Disc

USED EQUIPMENT
AC C & WC Tractors
Farmall H, MD, Super M Tractors
JD B Tractor
JD 520 Tractor
JD 720 Tractor
JD 3010 RCU Tractor
Ford 8N Tractor
JD 494A Planter
IHC 315 Mulch Packer
IHC 540, 550 4B Plows
JD F125 6B Plow
Ferguson 2B Plow
JD AW Disc 12'
Woods Cadet 60 Pull Type Mower
NH 6' Cutter
JD 507 Cutter
MF 41 Sickle Bar 3 pt. Mower
Mayrath 40' Elevator
NI Hay Rakes on steel

USED COMBINES
JD 95 w/platform
JD 434 corn hd.
AC C2 w/platform
AC 4R corn hd.
JD 45 w/platform
Plus other new and used equipment

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WOOD JOINTER

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All cast iron with motor & steel stand complete

Model JJ-6
FOB York

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Cutting Capacity			
Width:	6"		
Depth:	⅛"		
Cutterhead Speed:	4500 RPM		
13,500 cuts per min.			
Ways.	Dove-Tailed	No. of Knives:	3
Fence Height:	4"	Table Surface Overall	
Length:	36¼"	Width:	7"
Tilts right & left:	45°	Length:	42½"
Positive Stops.	90°, 45° right & left	Working Height Open Stand:	34⅝"
Ship wt:	198 lbs.		

STANDARD EQUIPMENT:
3 high speed steel knives, 2-way tilting fence with "dual control" cutter head pulley, front and rear safety knife guards, stand, ½ HP single phase motor with full manual overload protection, 115/230V -pre-wired 115V 60 HZ motor, switch, motor pulley and V belt

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SPERRY NEW HOLLAND

TRACTORS
Ford 8000
Ford 7000
Ford 3400 w/Backhoe
Ford 1200 w/Loader
Ford 1100 repossessed 4WD w/loader
Ford 445 Backhoe Loader Repossessed
Ford 545 Backhoe Loader Repossessed
Ford 960 Tricycle
Ford 535 Tractor/Loader/Backhoe
(2) Ford 9N
Ford 8N
Case DC
Case 680 C Tractor/Loader
Ferguson 20
Massey Harris 44
JD 2510

EQUIPMENT
Crown Rock Picker, hydraulic drive
Ford QT 772 Loader
NH 479 Haybine
NH 469 Haybine
NH 78 Baler w/thrower
JD 1209 Mower Cond.
NI Wheel Rake
NH 516 sgl. btr. spreader
JD spreader
IH 155 spreader
IH 175 spreader
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Dismantling Combines for parts over 150 all makes and models. Call before you come. Late IH 815 & Gleaner L

IH 64, 76, 80, 82, 125, 127, 141, 101, 151, 91, 93, 203, 303, 403, 205 & 815. JD 12 A, 25, 30, 40, 45, 55, 95, 105. AC 60, 66, Gleaner A, C, CII or L. MF Clipper, 26, 27, 70, 80, 90, 72, 82, 92, 35, 300, 410 & 510. Oliver 33, 35, 40, 430, 525 & 545. Ford SP & pull. 701 NI Uni tractor, NI Uni - 705D (ear corn unit), combine & shellers, Case 800 & 660.

TRACTORS
IH 560 gas, plain
Farmall H
Distmantling AC D17 gas, wide front end & power steering
3 pt. hitch for Farmall H or M, $200
3 pt. hitch fits Farmall C & Super C, $200
Fast hitch fits Super C or IH 240, $225
U-6 Detroit Diesel motor, $1500
NI #19 PTO spreader
JD #N PTO spreader
NH PTO spreader
AC B w/plows and 1 rw. cultivator
Ford 901 PS/3 pt. new tires
IH 560 Diesel
Wide front end to fit MF 85
MF 12' chisel plow
Grayham 8' chisel plow
IH 5 btm. plow
IH 1300 3 pt. balanced head mower
JD #76 tank spreader
NH wagon w/220 gravity box

CORN HEADS
NI uni 2 row
MF 3 rw. 30" corn head
NI 738 4 rw. 30" corn head $2475
JD 47 loader, $225

DISMANTLING TRACTORS FOR PARTS
Harvesters and Corn Heads for Parts
JD 2010, 70D, 4010, IH F 14, A, B, C, H, M, 300, 350, 460, 460 Ut., Supers C, H. & M. JD A, B, 50 & 60. AC WD, WC, D17. Oliver 70 & 77. Ford 8N. Case SC & V.A.C., DC. Massey 44D, MF 85D, IH 400, MTA, 240, F20, WD D2 Cat crawler. JD 70 G, Oliver crawler, 2 Oliver crawler loaders.
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JD 7000 Conservation Planter, 6R Narrow w/liquid Fertilizer and Monitor.. with bonus $12,750
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JD 1550 Backhoe $3,750
JD C392 Spin Spreader $825
JD 397 Mower $600
NH 847 Round Baler w/auto wrap $7,950
NH 679 Manure Spreader w/end gate $6,400
NH 38 Crop Chopper $4,900
Mathews 9E Rotary Scythe $4,250
Hub 155 Elevator 36' $1,995

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For Chain Cleaners
$10.00 Per Ft. For Chain in Stock
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USED EQUIPMENT

TRACTORS
JD 4240 w/cab, 400 hours
JD 3020G PS
JD 3020 w/cab
JD 4230 w/cab
IH 1086 w/cab 1180 hrs.
IH 460 Utility w/loader
MF 1080 Diesel
White 2-85 w/cab

COMBINES
1978 JD 6600 Sidehill
1979 JD 6620 Sidehill
JD 4 and 6 Row Corn Heads
1980 MF 760 338 hrs. w/2 heads
JD 45 w/2 heads

TILLAGE
JD 210 13' Disc
AC 3100 10' Offset Disc
JD 1450 4x16 Plow
JD 1450 5x16 Plow
JD 2700 7B On-Land Plow
JD 145 4x16 Plow
JD 145 5x16 Plow
AC 5x16 Semi Plow
JD 1600 10' Chisel Plow
Selection of Used Planters including Max-Emerge.

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Pay New Holland what we owe and it's yours!

New White 2-85 Tractor

MF 65 Tractor

NH 362 Tank Spreader

Post Drivers & Diggers

Used NH 352 Grinder Mixer

Used Balzer 400 Spreader

Skid Loaders

SHEETS BROS.
New Holland, White
1061 Carlisle St.
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717-632-3660

USED EQUIPMENT

AC D15 Tractor
NI 708 power unit and 702 power unit
737 husking bed
717 combine
713 combine
744 corn head
731 corn head
NH forage harvesters:
(2) 770 w/heads
(1) 717 and (1) 718
NH Super 68 baler

Special Sale
Low Acreage Machine
AC Model L Gleaner combine w/4 row corn head and 15' grain platform

Oliver semi-mounted 4 bottom plow

Used corn pickers:
NI 324 2 row corn picker
NI 324 picker sheller, 2 row

NEW EQUIPMENT

802 Uni power unit
767 Uni chopper
766 pickup head
768 corn head
1 7020 Hesston forage harvester
1 7140 Hesston forage harvester
2 7316 Hesston forage boxes
1 Hesston round balers
2 323 NI corn pickers
NI 213, 214, 244 and 245 manure speaders

AC Tractors:
6060 4 wheel drive
6140 4 wheel drive
8010
(1) 5050
(1) 2600 disc

AIRVILLE EQUIPMENT, INC.
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FARM EQUIPMENT

FARM EQUIPMENT

END OF YEAR SALE

Prices reduced drastically for quick sale. Take advantage of the year end sale. Prices F.O.B.

TRACTORS

	List	SALE
JD 4000 tractor	$12,500	$9,600
JD 4010	8,900	8,400
JD 2520	8,900	7,800
JD 2510	7,000	6,200
JD 730	4,200	3,200
JD 70	2,800	2,200
MF 65 diesel	3,500	2,800
550 Oliver diesel	3,500	2,600

HAYING EQUIPMENT

	List	SALE
JD 24T baler w/#2 ejector	$ 1,600	$1,295
JD 1209 mower conditioner	3,200	2,500
JD 640 rake	1,175	975
JD #10 mower parts		50

COMBINES

	List	SALE
JD 6620 sidehill w/643 head	$74,400	$66,000
IHC 205 Combine w/platform and 2 row head	7,000	6,000

CORN PLANTERS

	List	SALE
JD 494A	1,495	850
JD 1240	3,000	2,000
JD 7000 planter, 4RW	6,500	4,200
JD 7000 4RW w/new min. till coulter and pop. monitor	6,900	4,800
IHC 56 4 row	2,600	1,600

DISCS AND PLOWS

	List	SALE
JD 12' KBA disc	$1,200	$650
Pittsburg 12'	1,600	1,000
JD 950 roller harrow	3,800	3,400
JD 145 plow 5-16"	2,100	1,800

OTHER EQUIPMENT

	List	SALE
IHC harvester, #16	$1,495	$800
JD 38" row crop head	675	450
JD 37 loader	995	750
NI 504 loader	450	250
Hawk tank spreader, rebuilt, like new	3,500	2,250
NI spin spreader	695	500
Deerborn cultivator	295	250
Ontario drill 16x7	3,200	2,500
6000 Kools blower, 1000 RPM	1,275	850
Dual wheels 20.8x38	650	625

END OF YEAR SPECIAL ON NEW EQUIPMENT

	List	SALE
JD 88 blade, 7'	$ 850	$ 650
JD 40 spreader	4,900	3,500
JD 445 flail spreader	5,185	4,100
JD 90 skid steer	10,800	7,600

Waiver of finance and payment on nearly all equipment

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Over 20 years experience with Ford tractors and equipment.
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SOME USED EQUIPMENT

Many of these FREE FINANCE to April or July 1983

NH 354 Grinder Mixer w/20' Auger	$3350
NH 518 Spreader 210 bu. & gate	$1375
NH 518 Spreader w/gate	$1750
JD 44 Spreader 3 btr.	$350
NH 1569 SP Haybine, Ford PU	$3575
NH 273 PTO Baler, Ld. Chute	$1550
NH 273 Engine Baler, Ld. Chute	$2475
NH 269 Baler w/thrower	$1575
Ford 250 PTO Baler	$475

SPECIAL PRICES ON NEW
NH L35, L325 Skid Loaders
NH 519, 679, 791, 800 Flat Bed Spreaders
NH 367 210 bu. tank spreader
3200 gal. Spreader with injector, Rental
NH Mowers, & Rakes
NH 230, 234 Wagons
NH 315 Baler & 75 Thrower
Skid Loader Rentals
Pequea Tedders

Twine, Toys, Paint, Heaters
Call for special Dec. Terms.
Call to schedule shop repair work.

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New TW 20 w/cab, 4wd, air
New 7700 w/cab, air
New 6600
1300 w/front wheel drive

NEW HOLLAND
New TR70 Combine w/ cab, air, heater, w/ cat. engine and lots of extras
13' flotation header and cutter bar, w/hume reel
962 N4 corn head
Used 13' NH grain head w/hume reel
New NH harvesters - 707, 718, 782
New NH 892 w/metal detector
New L35 gas, L55 diesel, L775 diesel skid loaders
Used 469 NH haybine
Used 479 NH haybine

NEW IDEA
New 456 large round baler $7500
New 299 9'3" mow ditioner $4000
NI 404 and 406 rakes
NI 323 one row corn pickers

Used IH 550 harvester w/pickup head and 2 row corn head

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'78 FORD LN-7000 Grain truck, Cat diesel, air brakes, new 18' Parkhurst body & Trojan Hoist

'78 IH 1750 Grain Truck, DT-466 diesel, New 16' Knapheide body & hoist

'73 IH C04070A long wheelbase chassis, Cummins 250, 10-speed

'78 FORD LN-600 chassis & cab, 2-speed rear, 5-speed trans.

'72 REO C10164 long wheel base tandem chassis, V-8 gas engine, 5 & 4 transmission

Fruehauf 6,200 gal. steel tank trailer, new brakes, ideal for water or fertilizer

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USED EQUIPMENT IN STOCK

JD 4630 Cab, Air, QR
JD 216 Flex Platform
JD 220 Flex Platform
NH 278 Baler
Sunmaster 7½' Mower
Ford 10' Heavy Duty Rear Blade
JD 950 Roller Harrow 12'
JD 400 Rotary Hoe 20'
JD RM 630 Cultivator
16.9x28 Duals
GE Electrak Lawn Mower
JD 214 Lawn Mower

Cooper Ent., Inc.
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Evenings Call Gary
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1981 IHC 686 Dsl. w/500 hrs.
IHC #55 3 pt. hitch chisel plow w/13' base frame w/11 teeth
Farmall 1066 w/red cab
JD 4430 cab & air
Case 1370 Tractor w/cab and air
IHC 666 Gas Tractor
IHC 856 & 1456 w/2 PTO's
IHC 1466 Tractor w/cab and air
Uni 717 Combine
(3) NL705 Diesel Uni Tractors
IH 2400 B Utility Tractor w/2250 Mount-O-Matic Loader

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Willow Street RD 1
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Midway between Lancaster & Quarryville off Rt. 222 take Brenneman Road at Graybill Bros. Garage, Refton.

Used Tractors:

John Deere 2020, 4520, 4430 w/cab, 4630, 4320, 4230, 4030, 4020, 2510, 2440, 3020
Ford 7000, 3400 w/loader, 2000
Farmall 1466, 966, 806, 756, 766, 656, 460, 450, M, H, 100 Hydro, 574 w/loader
Allis Chalmers 210
MF 175 diesel, 1100

Used Combines:

JD 4400 gas
JD 45
JD 55 corn special
NI 704 w/717 combine

Used Corn Heads

JD 2, 4 & 6 row corn heads
IH 6 row
NI 4 row N

Used Choppers:

JD 5200 self-propelled chopper
Fox 3000 w/3 row head
NI uni chopper 3 row narrow uni head

Used Trucks:

IH 2010 tandem w/new grain body & hoist
'73 Chevy C64 w/400 bu. grain body & hoist in good cond.

Used Plows & Disks:

Used Keewanne 20' hydraulic fold mulcher
Used Keewanne 21' disk,
1450 John Deere 7 Bottom
New White 418 spring reset plow
Large selection of John Deere 5, 6, & 7 Bottom
Athens 21' Hyd. Fold disk
IH 470 18' Disk
Large selection of smaller John Deere disks
New Gehl, Fox & Badger Equip.
JD model 2500 6 btm. 18" auto. reset plow
NI 323 one row picker
JD 346 wire w/thrower
NH 273, 275, 276, 278 balers
JD 1209 haybine
NH 467 haybine
Used Moridge grain dryers
Gehl 95 feed grinder
Gehl 920 tandem axle forage wagon, used 2 seasons

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Ringoes, New Jersey
(201) 782-5082

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SATURDAY DECEMBER 18th 8 AM to 4 PM

We Promised You More... We're Delivering!

★ Free Refreshments ★ Free Door Prizes For All Ages

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This Week's Special...
JD 8430 4 WD TRACTOR
1978, 1140 Hours,
Dual 18.4 x 34's,
PTO, 3 Pt., 3 Remotes, Diff. Lock
PRICED BELOW BOOK!

Tractors
Farmall M
Farmall H
Case Model 450 crawler
IH F1066D
IH F400D
IH F544
IH F806D
IH F1256
MF 255
JD 8430 4WD
Ford 900
Oliver 550 w/Loader
IH 300 Utility

Plows
IH 211 2F 16"
IH 311 3F 16"
IH 411 4F
IH 560 Plow
IH 700 6F Auto. Reset
IH No. 8 Trailing
IH 412
3F Trailing Plow
MF 5F 14" Mounted
JD 3 pt. 3F Plow
Ford 5F 18"

Tillage
IH 475 Disk
IH 24 Offset Disc
IH 122 Mtd. Disc Harrow
IH 4500 V.S. 12 Ft.
IH 45 Vibra Shank
Lely Power Harrow
JD KBA Disc

Planters & Drills
IH 449 Planter
IH 500 Planter, 6 Row
Pittsburgh 4-Row 3-pt. Cultivator
IH 400 Cyclo, 6 row, N
IH 400 Cyclo 4 Row
JD 494 Planter
JD 15x7 Drill
JD FB 177B Drill, 17x7
MF 468 4-R Planter
MF 4 Row Cult.
Ontario 13x7 Drill

Skid Loaders
Case 1530
IH 3200
Bobcat 520
Gehl 2600

Combines & Cornheads
NI 725 Cornhead
IH 91
IH 127
IH 715 Combine
IH 227 Corn Head
IH 429 Corn Head
IH 744 Corn Head
MF 35 Combine

Hay Machines
IH 27V Mower
IH Cub 222 Mower
JD 14T Baler
AC 303 Baler
NH 282 Baler
NI Mower
NI 290 Mower Conditioner
NI 402 Rake
MF Rake

Forage Equipment
IH 650 Forage Harvester
IH 56 Blower
JD 6 Harvester
JD 34 Harvester w/2 Heads
JD 16A Flail Chopper
IH Hay Pickup 550/650
IH Direct Cut 350
AC 780 Harvester
Fox 546 Harvester
NH 717
IH 42 Blower
NH 23 Blower
NH 25 Blower

Pickers
Oliver 5 Picker

Lawn & Garden
Power King 2418 Tractor
Power King 42" Snow Blade
IH Cadet 60 Riding Mower
IH 122 Cadet w/mower
Snow Blowers
Gravely Sickle Mower
Bolens G10 w/Mower
JD 110 w/Mower and Snow Thrower
Sears 10 HP w/Mower
Snapper Comet riding mower
Trac Vac 580 Lawn Vac

Miscellaneous
Sauder 7 ft. Snow Blade
IH 1850 Loader
IH 2000 Loader
IH 540 Spreader
NI 214 Spreader
Waldron Dozer Blade w/IH or JD Mountings
580 Truck Mtd. Spreader
NH 346 Tank Spreader
Winco 1500 Generator
Danuser 8 Ft. Blade 3 pt.
Akey M50 Mini Spreader
NI 12A Spreader
Buck Saw

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★ Truckload Prices On Oil, Plow Parts, Batteries ★ 15% Clearance Sale On Tire Inventory
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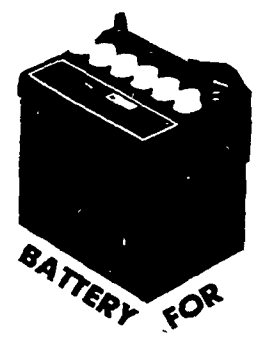
295 amp welder
Powerful, heavy-duty AC arc welder cuts, welds, and drills holes with ease Braze, solder, heat, or temper with the optional carbon arc torch Has an up to 100% duty cycle to let you weld longer, and full open circuit voltage for any AC electrode. Included: instructions, helmet with lens, primary power cable with plug, ground cable with 300 amp

Reg. Price $268.00 SPECIAL **$224.95**

5 GAL. HY-TRAN
372 705-R5
Reg. $31.00 **$25.00**



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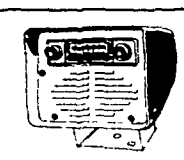
4 Yr. Auto **$49.95** Exchg.



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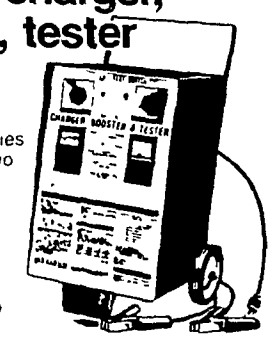
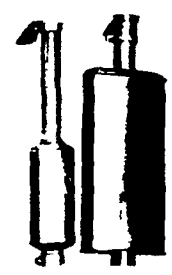
80-amp charger, booster, tester
Charges to 80 amps Has big boost starting power Test batteries and alternators Two meter timer and transport wheels



Reg. $293.43
SPECIAL **$218.65**

MUFFLERS
360 720-R91 - C, 200, 230
Reg. $18.28 **$12.40**



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For Vertical Acting Suspense - 407524R1
Reg. $171.50 **$150.00**

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Case 2390 Tractor 1982, Fully Equip., 100 hrs. Dual Wheels, Traded for other Machinery
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IHC 807 Tractor, completely overhauled
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NH 489 Haybine
Hesston PT10 Haybine
Loader for AC 160
(2) NH #56 Rake
Bearcat Grinder-Mixer
AC Model 90 Pull Type Combine
Landoll 7 Tooth Chisel Plow
(2) IH 234 Mtd. Corn Pickers to fit 656, 706, 806
L or M #435 Corn Head
(2) Grove Self Unloading Wagon, 3 btr. & roof
Used Century sprayers
NH 275 Baler w/thrower
JD 14T Baler
JD 2010 Backhoe Loader
(2) New Armstrong 6 ply tires, mtd. on wheels & rims to fit D17's & 175 tractors

USED TRACTORS

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1 only
Special Price
$10,995

AC 190XT Series III
AC D19 Gas
AC D17 Diesel
AC WD
AC WD 45
MF 1085
Used Lawn & Garden Tractors w/mowers

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Amco Disc
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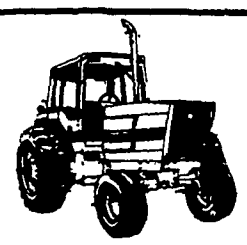
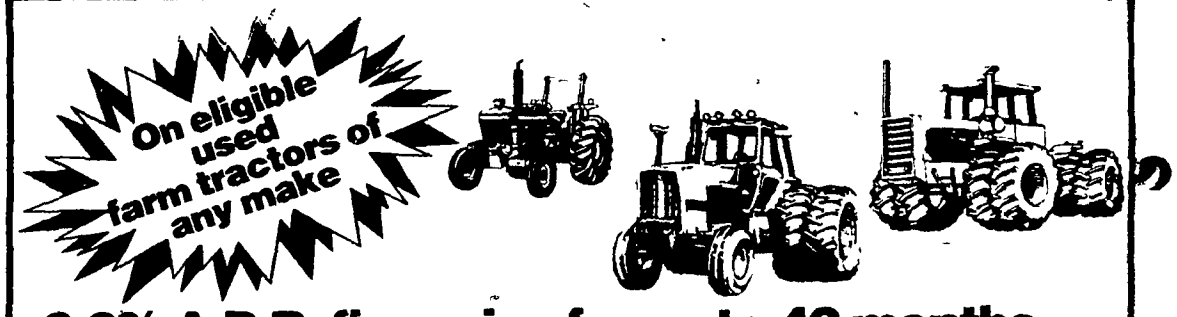


NEW TRACTORS

IH 584
IH 5088
JH 3288

USED EQUIPMENT
IH 4135 skid loader, 200 hours
IH 886 tractor, low hours
IH 1586 tractor, low hours
IH 806 diesel tractor
Farmall 300, $1,500
2 Farmall M $1,500
Farmall Super H, real nice $1,400
IH 574 diesel tractor $8,000
Farmall 460 gas, $3000
Oliver 1650 tractor $4,800
AC WD $1,000
AC gleaner combine model CII 14' grain & 4 row corn head $5,500
Oliver combine $700
IH 311 fast hitch plow $350
2 Oliver 3 furrow plows $400
IH 76 combine $500
IH 455 4 row corn planter $2500
IH 56 corn planter, 4 row $2000
IH 400 Cyclo planter, 4 row, no-till $4200
IH 234 corn picker $2200
IH 125 combine, $400
2- IH 990 mower conditioner, $1500
IH 234 sheller attachment $1325
NH 3 pt. hitch mower $800
Brillion 9' cultipacker $275
JD 12A combine $600
Hawk Bilt manure spreader $650
NH forage harvester $1275
NH Super 717 forage harvester w/pickup head $2,800
IH 540 plow $1100
1 set of IH 531 plow $450
AC baler $400
IH 370 disc $1800

DOMBACH EQUIPMENT
McAlisterville, Pa. 717-463-21



8.8% A.P.R. financing for up to 42 months . . . or waiver-of-finance-charges until June 1, 1983.

If you buy one of our eligible used farm tractors, any make, between December 1 and December 31, 1982, you can choose 8.8% A.P.R. financing for up to 42 months or an optional waiver-of-finance-charges from date of purchase until June 1, 1983. Purchase must be financed through J I Case Credit Corporation.

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USED EQUIPMENT

TRACTORS
'79 Case 1210 p.s.
AC 7080 Cab-Air-Heat
Case 1070 18.4x38 (New) Power Shift
Case 1370 Cab-Air-Heat 24.5x32 Radio
Case 1090 18.4x38 (New) Power Shift
Case 1170 Cab-Heat-8 5 Spd. 20.8x38 (New)
Case 900 w/Pulley

LOADERS
1530 Uni Loader
Uni Loader Broom
Mustang 330
1845 G
Case 580 Backhoe

NEW IDEA
206 Spreaders
325/314 Picker Sheller
323 Pickers
214 Spreader
224 Spreader
325/327 Corn Picker

MISCELLANEOUS
Ford 101 Plow
NH Lime Drill
Case 12' Disc Harrow
NH 371 Flail Spreader
Case Auger Elevator
MF 880 6, 7Btm, plow
Wetmore 878 Grinder Mixer
Case 555 Mower Conditioner
Bush Hog 12' disc
JD 345 4Btm plow
IH 40 Stalk shredder

FORAGE
JD 65 Blower
Stauffer Forage Box
Fox HA Harvester
Gehl 910 Forage Box
JD 3800 Harvester
NH 27 Blower
Hesston Blower
JD 115 Forage Box
IH 110 Forage Box
Gehl 99 Blower

UNI-SYSTEM
702 G Power Unit
702 D Power Unit
710 Combine
743 N Head
767 Harvester
738 4RN Head

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(215) 987-6221 or 987-6257
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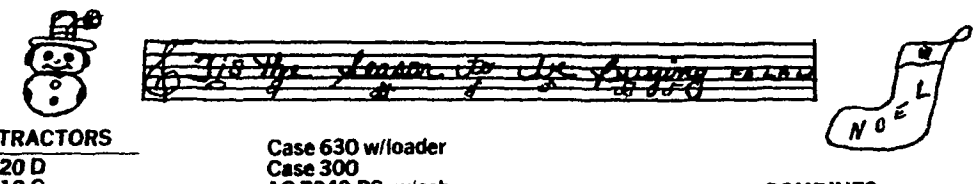

TRACTORS
JD 3020 D
JD 2010 G
JD 60 w/237 2-row picker
JD 60
Farmall 656 D
Farmall 560 D
Farmall 400
Farmall 460 D
Farmall H
MF 1105D w/cab
MF 1100 D
MF 180 D w/loader
MF 180 D
MF 165 D
MF 50 D
MF 50
MF 30 w/loader
White 2-50 D
Oliver 550
Oliver 55 D
Ford 800
Ford 8N
MM G1000 D
Case 630 w/loader
Case 300
AC 7040 PS, w/cab
AC 7020 PS, w/cab
AC 7000 D w/cab
AC 190XT D w/cab
AC 185 D
AC 175 D
AC 5040 D
AC D19
AC WD45
AC WD

MANURE SPREADERS
NH 676, 230 BU.
NH 175 BU.
NI 218, 325 BU.
NI 214, 206 BU.
(2) NI 213, 176 BU.
Badger 180 BU.
Weaverline 224 Electric Feed Cart, 24 Bu.
Moridge 400 Grain Dryer, PTO, A-1

COMBINES
JD 8820 w/950 hrs., cab, air & heat, 15' floating grain, 830 corn heads, like NEW!
JD 55 Super w/cab, 12' grain & 330 corn heads
JD 55 w/12' grain & 338 corn heads
JD 45 w/both heads
JD 45 w/grain head
NH 975 w/11' grain & 238 corn heads
MF 300 w/11' grain & 238 corn heads
MF 82 w/grain & corn heads
NI Uni-System 702 w/717 combine, 4-row corn head
NI 767 Chopper w/702 2-Row Corn Head & 761 Pick Up Head
Gleaner N5 w/15' floating grain & 630 corn heads.
Gleaner L2 w/15' grain & 630 corn heads.
Gleaner MKS w/13' grain & 630 corn heads.
Gleaner F2 w/15' Grain & 4 row corn heads
Gleaner CII w/13' grain & 438 corn heads
Gleaner AII w/cab & both heads
Gleaner AII w/12' grain head
(3) Gleaner E w/cab & both heads

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1-Kraft 600 Gal. Stainless Steel Milk Tank-Like *NEW!!!*

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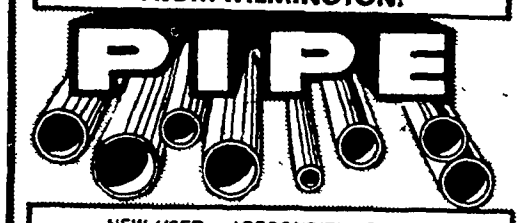
NOW SERVING THE STATE OF DELAWARE DIRECTLY FROM WILMINGTON!



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NH 363 TANK SPREADER
2 YEARS OLD
$2,250
NH #353 GRINDER-MIXER
USED 8 MOS.
$3,995
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$1,650
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Loysville, Pa.
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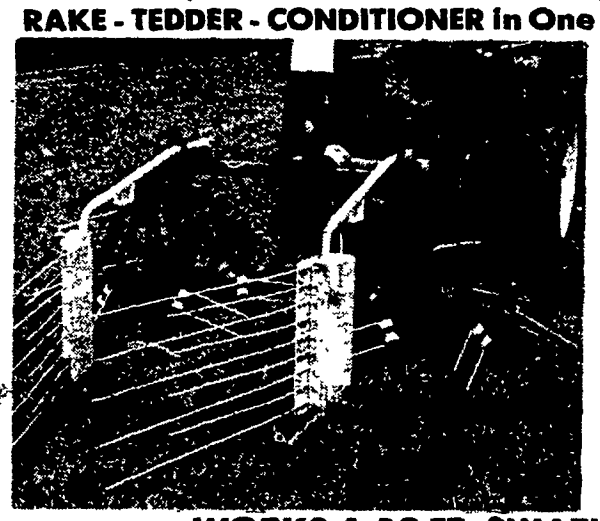
ADDITIONAL CASH & CARRY DAYS SPECIALS

DECEMBER 13th - 24th

See insert in this paper for more details!

KUHN **GYROSTAR**

Does The Work Of Two Machines
RAKE - TEDDER - CONDITIONER In One Operation



In this GRS 21 two machines performing different operations have been successfully incorporated on one chasis.

In Stock

WORKS A 10 FT. SWATH
Why invest in two machines when Gyrostar does the work in one operation.
Ask A Farmer Who Owns One!
Come And See and Save $
Only $2150

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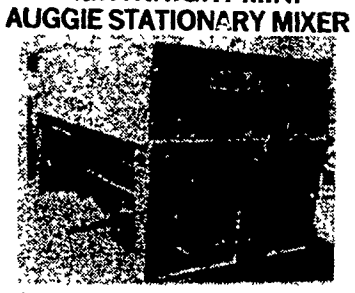
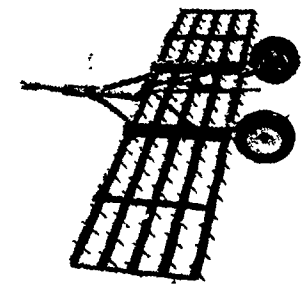
Price Below
MAKE EVERY BITE COUNT
With A KNIGHT MINI-AUGGIE STATIONARY MIXER



Electronic scales, 82 bushel capacity, 3 H.P. electric motor with drive is standard equipment. In Stock
OUR SALE PRICE **$6,890**

HARROWGATER MODEL 1100



This machine does work! It not only levels, but aerates soil, teeth are angled to allow trash flow underneath.
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10' W 3' WINGS
TOTAL 16' WIDE
Sale Price **$1080**
DEDUCT ADDITIONAL 15% OFF

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Looking For A Good, Clean, Used, Self-Propelled Forage Harvester?
We Have It!

Field Queen Forage Harvester 3160 V8, Cat. Diesel, Hydrostatic Drive, 7 ft. Hay Head & Corn Head. Ready For Your Field.
$16,950 Less Another 12% OFF

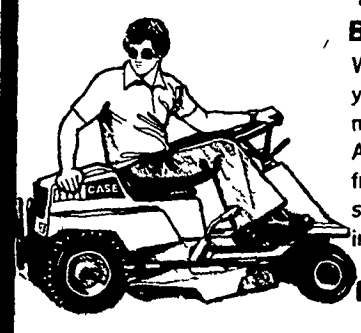
20% OFF

DAVIS D130
Backhoe Attachment w/20" trencher, bucket, digs 130"
$3650
Less 20% OFF

15% Fixed Rate Financing

In Stock...The All New
MODEL 8440 MORIDGE HI-CAPACITY GRAIN DRYER
1 Only Reg. Price $10,989
SALE **$8,948**
★ Buy at a good savings NOW!
★ 405 Bushel
★ Call us for the outstanding characteristics and specifications on this dryer.
Plus Deduct An Additional 5% DISCOUNT Off Of Our Already Low Price!

40% OFF 8 HP RIDING MOWER
Built To Last - Designed To Perform



When you buy the Case Model 80 riding mower you leave trouble behind The full floating 30" mower deck will provide a well-groomed lawn. Available with optional bagger attachment and front-mounted thatcher. The Model 80 is built of steel for durability and many years of outstanding performance.
Serial #14000679 Demonstrator
One Only **$1,475**
Less 40% OFF

UNBELIEVABLE DISCOUNT OF 46% OFF
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LOOK AT THIS QUALITY, BRAND NEW
case MODEL 1190 43 HP DIESEL SPECIAL UTILITY TRACTOR

- Hydraulic Remote Outlet
- 540 PTO
- Differential Lock
- 13.6x28 Rear Tires
- 12 Speeds Forward and 4 Reverse
- Cat. 1 5 Pt. Hitch
- Shift Levers Beside Seat (not in off-on walkway)
- Hydrostatic Steering

Ready For Hard Work!

Reg. Price... **$14,812 - REMEMBER, 46% OFF**

USED CASE 1030 COMFORT KING DIESEL
tractor, Serial #8299043, 540 PTO, 18.4x34 tires (worn), wide front, hydraulic remotes.
$5900 as is, where is
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USED DISK HARROW
Hydraulic Wing fold, 16" Hutch Master. 7500 Series, Blades Worn.
Come & See
Reg. Price $3280
DISCOUNT PRICE
as is, where is
ONLY $2490

Good Used John Deere Model 110
DISK TRANSPORT HARROW
13'10" Cut, New Blades, Dual Transport Wheels. Ready For Work.
SPECIAL CASH & CARRY PRICE ONLY $1980

Case Model L
ANTIQUE TRACTOR
Good Running Order with Belt Pulley w/Steel Wheels
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AC 180 — IH 504
AC D19 — IH 300
AC 7030 — IH 450
AC 7040 — IH 340
AC 7050 — IH H
AC 7000
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JD 70
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Ferguson 65G
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2040 4WD
2440 Fully Equipped
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Ferg. TO-30
JD 4640, Cab, Air, AM-FM, Duals
JD 2640, RG and Canopy, Hi-Lo
JD 50
JD "A"
Ford 9N
Oliver 70

GRINDER MIXERS
New NH 353 Grinder Mixer, Complete

NEW COMBINES AT LOW OFF SEASON PRICES
6620 Reg.
6620 Side Hill
15' Flex Head
6 Row 30" Cornheads

NEW EQUIP.
3 Pt. Blades
Hayban Corn Sheller, 3 pt. PTO - $1,850

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Used Fertilizer Box
Hyd. Augers - Engine Driven

USED TAYLOR HI-EFF. DYNAMOMETER
For Tractors 130 And 200 H.P.
SPECIAL
$495

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JD 1050
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(3) JD 2940 — $20,000 ea.
JD 4240 QR, SG Body — $35,000
JD 125 Ski Steer Loaders, Dsl. & Gas
JD 125 Skid Steer Loader Gas $12,500
JD 90 Skid Steer Loaders

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JD 445 Spreaders
JD 235 19' Disc — $10,000
JD 1209 Mower Conditioner — $7000
JD 2700 5x18 Plow
JD 1250 Plow 3x16 — $1800 N/T
JD 1250 Plow 4x16 — $2450.95
JD 7000 Conservation Corn Planters 4R & 6R
JD 16x10 FF Drill — $4000
JD 327 Baler w/ejector

USED MACHINERY

1981 White Combine #7300 w/704N 4 Row Corn Head — $30,000
1-JD 55 Combine, 235 C.H. and 12' Platform — $5000
JD 400 Tractor Model 1981 w/60 mower and Peco grass catcher — $5300
1-Yazoo Tractor and Mower Model 35 — $2800
1-JD 4620 Tractor, new paint, new tires on rear, year round cab — $15,000
AC 6080 Dsl. Tractor, 239 hrs., like new — $18,500
2-18x4x30-8 Ply Tires and wheels for Gleaner Combine — $500
1-Lickity Wood Chipper — $875
1-Landmaster Tiller and 3 pt. hitch — $250
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JD 800 SP Windrower — $3200
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JD 4430 Tractor
JD 4030
JD 3010
JD L Tractor w/plow & cultivators
JD 1450 4x16 semi-mtd. plow
JD 1450 5x16 semi-mtd. plow
MM 32 blade transport disk harrow
Brillion 12' transport spring tooth harrow
IH 440 baler w/thrower, excell. $1895
JD 39 3 pt. sickle bar mower
NH 479 haybine
JD 38 harvester w/2 row N. head & hay pickup
MF 110 PTO manure spreader
JD 7000 6 RN Conservation Planter
AC 4 row no till planter
White 5400 6 row N. no-till planter
JD FBB 17x7 grain drill
JD FB 13x7 grain drill
IH 13x7 grain drill
Brillion 11 ft. cultipacker
Brillion 15' packer w/transport attachment
JD 506 3 pt. 5' rotary cutter
JD 307 6' rotary cutter
JD 507 7' rotary cutter
JD 444 corn head
JD 6600 sidehill combine w/13 ft. grain head & 4 RW corn head $37,995
Midwest round bale unwinder 3 pt. hitch $595.00.
2 wheel trailer w/side boards
(5) JD high pressure hyd. cylinder

NEW TRACTOR TIRE CHAIN SALE

* 2 Pair 13 6x28	S.P.	$215.99
* 1 Pair 13 6/13 9x36 13 6x38	S.P.	$216.90
* 1 Pair 14 9x26 14 9x28	S.P.	$199.00

* Priced subject to change after stock on hand is sold

NEW FARM EQUIPMENT SPECIALS

	L.P.	S.P.
JD 4440 Tractor		Call For Special Sale Price
JD 2440 Tractor		
JD 1050 Tractor		
JD 90 Skid Steer loader	10,633.00	8495.00
JD 125G Skid Steer loader	16,634	14,300
7 ft Hay Pickup	3377.00	2995.00
JD 8300 18x7 grain drill	5221.00	4695.00

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AC C
AC 7580 Cab and Air
AC 6060 2 Wheel Dr.
AC 5040
AC 5050
AC 7010 Cab and Air
JD 2640 w/loader
Ford 4500 w/loader
Case D 580 Loader
MF 202 wheel loader w/loader & Mower
Kubota B7100 w/loader & bucket

BALERS
NH 268 w/thrower
NH 273 w/54A Thrower
NH 282 w/thrower
NH 283 w/62 Thrower
NH 315 w/58 Thrower
NH 320 w/70 Thrower
JD 346T

COMBINES
NH TR 70 w/Flexhead 6 R Cornhead
NH 995 w/Grain Head & Corn Head
JD 105 w/444 C.H. and G.H.
JD 55 w/12' Grain Head
AC CII
AC F330 Corn Head

MANURE SPREADERS
(2) NH 365 Tank
NH 362 Tank
NI 224
NI 214
Hawk Bilt 207

HARVESTERS
NH 1895 SP w/3 Row narrow head and windrow pickup
NH 880 w/2R W and 1R pickup
NH 717 w/1R head
NH 770 w/717 R2 and 1R pickup
NH 1880 SP Cat. Dsl. w/2 new style heads, 3Rn and Windrow pickup
JD 3960 w/2R head and Windrow pickup

MOWERS
NH 451 Sickle Bar
JD 25A Flail (2) NH 462 Disc

CORN PLANTERS
White 6R no-till air
IHC 8 R Cyclo
IHC 4R Cyclo
IHC 6 R No-Til
JD 1440 No-Til
AC 4R no-til w/gran. fert.
AC 6R no-til air w/gran. fert.
AC 4R no-til w/liquid fert.
AC 700 6 Row

MOWER CONDITIONERS
(2) NH 469
(2) NH 479
NH 490
NH 467
NH 495
NI 299 Mow/ditioner
(2) NI 279 cut/ditioner
NH 1495 D Hydro 12' S P
Hesston 620 windrower

WAGONS
NH 1000 Bale
NH 1012 Bale
NH #8

RAKES
(2) NH 260 — NI Bar
(2) NH 256 — V Tandem Hitch
NH 258 — IH 35

SKID LOADERS
NH L 775 gas
NH L778 diesel
NH 445 w/Deutz Diesel

CORN PICKERS
NI 323 1 Row Picker
NI 324 Super Sheller
NI 324 Corn Picker 2 Row

MISCELLANEOUS
JD Stack Shredder w/stack mover
Little Giant 32' Elevator
Ford Sickle/SOLO Mower
AC 2300 Disc
NH 358 Grinder Mixer
Rhino 7' Scraper Blade
Tandem Axle Sprayer
NH 462 Disc Mower

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East Main St., Honey Brook - Pa. 215-273-3131 or 273-3737

NEW EQUIPMENT SPECIALS

NH #718 Harvester (1 only)	CALL FOR SPECIAL PRICE
NH #892 Harvester Electric Controls, Metal Detecter, 3R Hd. & Pickup Head	
NH #456 Mower, 1 only	
NH #519 Spreader 11:20 Tires	
NH #791 Spreader, 11:20 Tires	
NH #303 Liquid-Tank Spreader (Demo)	
NH #367 Tank Spreader, Used 1 Year	
NH #310 Engine Baler, Steel Wheels Hitch & Chute	
Pittsburgh 3B 18" Auto Reset Plow	$3150
Pittsburgh 4B 18" Semi Mtd. Auto Reset Plow	$5275
Pittsburgh 12' Field Cultivator, 1 only	$1295
Oswalt Ensilmixer, 1830 Stationary w/scales	$9390
Hutchmaster Disc 22x¼" blades D.O.T. Flex Gang 5600 lbs.	$6200
Dunham 3 Bar 8 Tooth Chisel Plow	$1695
Hub Tool Elevator 36 ft.	$1995
Walsh 300 Gal. Sprayer 34', Cyn Pump	$1925

• SPECIAL DEALS ON THE ABOVE PLUS FREE FINANCE ON NEW & USED NEW HOLLAND HAY AND FORAGE EQUIPMENT TILL JUNE 1, 1983
SPREADERS AND GRINDER-MIXERS TILL APRIL, 1983

SPERRY NEW HOLLAND

JAMESWAY — OSWALT ENSILMIXER — DUNHAM
Leasing Available

USED EQUIPMENT

NH 707 Harvester w/1R CH, good cond.
NH 770 Harvester, good cond., 1000 RPM
IH 555 Harvester, 2 Row Head & Pickup Head
Bush Hog 12' Offset Disc, 26" blades, excellent condition
7' 3 pt. hitch York Scraper Blade w/100 h.p. rating
NH 325 Loader 54" bucket, like new
NH 495 Haybine 12', Good Cond.
NH 479 Haybine, Ex. Cond.
NH 354 Grinder Mixer Ex. Cond.
NH 272 Baler w/Engine
NH 451 Mower, Excellent
NH 455 Mower
NH 56 Rake, Ex. Cond.
NH 770 R2 Corn Head
NH 717 N2 Corn Head
NH 717 Pickup Head

DEPENDABLE IS MORE THAN OUR NAME

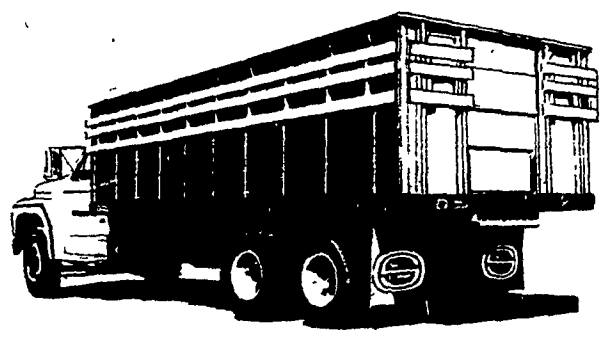
HARD WORKIN', TOUGH HAULIN' - that's OMAHA STANDARD

YOU DESERVE A TRUCK BODY/CONVERSION HOIST COMBINATION THAT'LL GET THE JOBS DONE

Grain & Livestock Bodies

Bigger Than Ever, Better Than Ever

We've built rugged truck bodies for over 50 years and today we're continuing that tradition. That's the reason you can't make a better investment than an Omaha Standard steel, hardwood, stakeless steel or all-aluminum farm body.

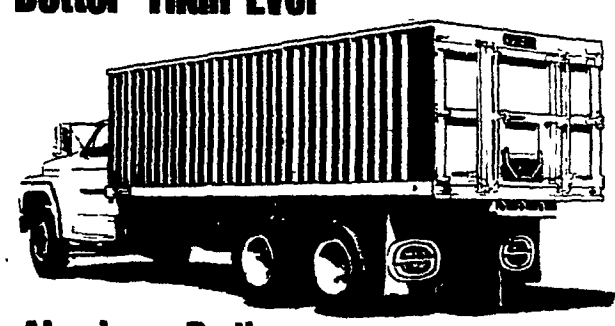


Steel and Hardwood Farm Bodies

- One-piece roll formed steel sides with built-in tarp rail. Available in 28", 40" and 52" extra-capacity heights...all with maximum corrugation for maximum strength.
- 40", 48" and 54" hardwood sides also available...the truck body Omaha Standard built its reputation on.
- The toughest platforms in the business — laminated wood, smooth steel or treadplate.
- Easy-conversion hardwood livestock racks...greater flex and life than steel fold-down racks.
- A full line of rugged gates...all engineered to make your job easier.

Omaha Standard Hoists

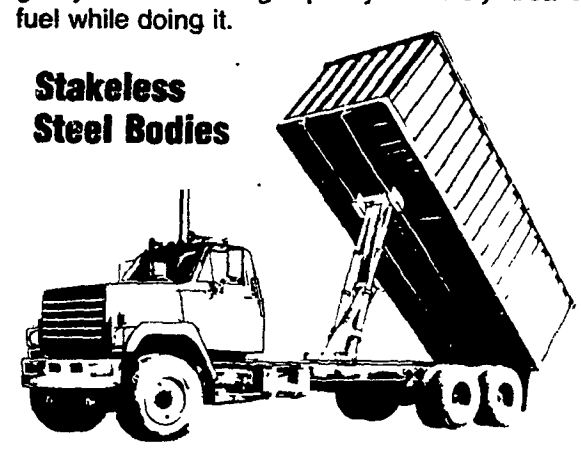
Select a job-matched, precision-engineered Omaha Standard hoist for your Omaha Standard body. Available in twelve models — scissors or the stabilized "Olympic" telescopic line. Capacities from 4 to 52 tons.



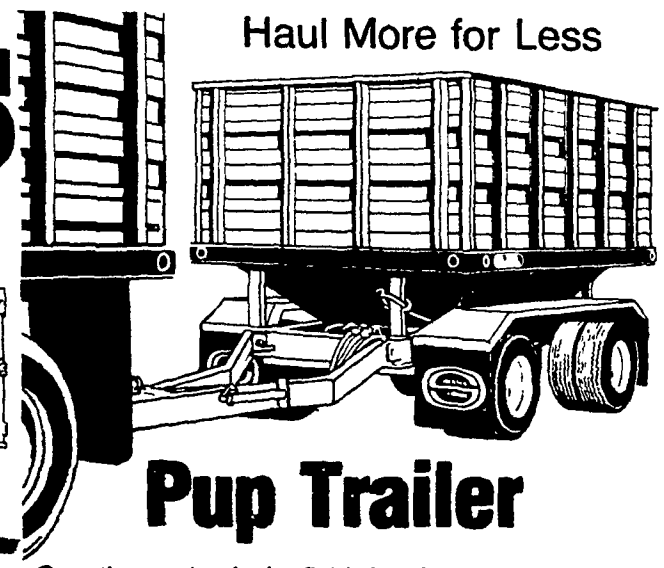
Aluminum Bodies

- All-aluminum construction...splice-free 60" or 72" high vertically corrugated stakeless sidewalls ...extruded outrail and tarp rail cap... "I" beam cross sills.
- Three-section full opening rear doors and swing-out header.
- Greater inside dimensions and light weight give you more hauling capacity and lets you save fuel while doing it.

Stakeless Steel Bodies



- 52" or 60" heavy gauge sides give you more hauling capacity for grain, sugar beets and other commodities.
- Greater inside width and length make this an ideal body for hauling bagged or palletized products.
- Wide selection of rear gates — two or three section full opening doors, beet and silage gates.



Haul More for Less

Pup Trailer

Over the road or in the field, Omaha Standard's new 300 bushel gravity dump truck pup saves you time and money. It's designed to handle your toughest hauling needs, increase your payload and save you fuel at the same time.

CHECK THESE ***STANDARD*** FEATURES:

- **10,000# axles with hydraulic self adjusting disc brakes.**
- **Truck brake conversion package.**
- **10 ply bias tires.**
- **Easy trailing with hinged tongue that's adjustable in length.**
- **Trailer type rack & pinion trap.**
- **Spring loaded truck pintle hook.**
- **Also available in larger capacity models.**

THIS IS THE ONE BUILT TO LAST

NOTICE!

Price Increase Effective January 1983.

All Orders Placed Before End of Year Will Be Honored At OLD PRICE For 1983 Installation

We've been a part of successful farming and ranching for over 50 years.

COMPLETE LINE OF CHELSEA

POWER TAKE-OFFS

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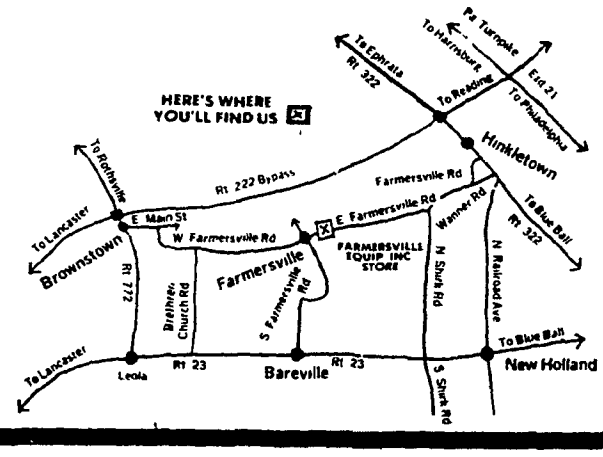
Omaha Standard

YOUR OMAHA STANDARD DISTRIBUTOR SERVING FARMERS IN PENNSYLVANIA, NEW JERSEY, DELAWARE, MARYLAND, VIRGINIA, WEST VIRGINIA & NEW YORK

Omaha Standard Hoists Include These Quality Features...

- ★ Inside Cab Control
- ★ Body Props
- ★ Seamless Steel Cylinders
- ★ Pump, Reservoir, Control Valve and Guard



If you are looking for a Truck Body / Conversion Hoist that'll get your jobs done, see us at Farmersville Equipment for Experienced and Professional Help.

FARMERSVILLE EQUIPMENT INC.

RD 4, East Farmersville Road, Ephrata, PA 17522
Located in the Village of Farmersville, Lancaster County
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NOTICE
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A New Rule
All Co' . Must Be
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See Page B30

EQUIPMENT FOR SALE OR LEASE

BADGER
3,000 gal. liquid manure tank
1,500 gal. vacuum tank
205 Bushel Manure Spreader
Forage Wagons
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Handy High Pressure Washers
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See Us About Outstanding Deals on New Equipment

New Equipment Specials

Gehl 360 skid steer loader w/2 buckets	$5,750

Used Equipment

1086 tractor w/cab & air (1400 hrs.)	$21,500
656 gas gear drive tractor, wfe, 3 pt. hitch	$5,850
460 diesel w/2001 loader & hyd. bucket	$3,500
Farmall Cub w/plow and cult., 1974	$3,975
Farmall Cub Lo-Boy w/Woods mower	$2,350
2 Cub Cadets, model 149 w/mower	$1,795 ea.
107 Cadet, 42" mower	$1,435
102 Cub Cadet w/mower	$895
124 Cub Cadet w/mower	$1,295
IH 76 lawn tractor (new engine)	$895
JD 110 garden tractor w/mower	$875
Cultivator for Farmall Cub	$400
Fast hitch for Cub	$150
Front blade for Cub	$195
710 auto. rest plow 5x16	$3,850
550 5x14" plow	$850
IH 540 plow w/coulters & cover boards	$1,275
MF 3x14 3 pt. mtd. plow	$395
JD 3x16 3 pt. mtd. plow	$315
#45 vibra shank cult., 26½' w/mulcher attachment	$3,500
JD 12' mtd. vibra shank cult.	$1,295
IH #10 single disc, 18x7 drill	$1,975
IH 400 4 row planter w/insect.	$2,795
IH 400 4 row planter w/insect.	$2,450
IH 56 4 row planter w/insect.	$1,750
IH 455 4 row planter w/insect.	$1,450
AC 4 row cornplanters, as is	$725
IH 453 cult. 4 row rear mtd.	$850
IH 200 rear mtd. 2 row cult. (new)	$775
IH 93 combine, 10' platform w/pickup reel (nice)	$4,800
IH 430 baler w/thrower	$2,695
MF #10 baler w/thrower	$1,200
AC 303 baler w/thrower	$995
NH 67 baler w/thrower (motor on thrower)	$795
IH 7' 3 pt. Pitman mower	$475
Fox blower (as is)	$575
1190 mower-conditioner	$4,150
Hesston PT-12 pull-type windrow	$1,025
Fox pick-up head for forage harvester (as is)	$225
IH 863 6x30 corn head	$6,950
NI 1 row #10 picker	$885
Kewanee 8' 3 pt. blade	$495
IH 35 spreader, nice	$850
IH 560 spreader w/upper beater & hyd. endgate (repossession)	$3,900

INCH EQUIPMENT CO.
Dalmatia 717-758-3021
717-758-6491
35 miles North of Harrisburg, PA on Rt. 147.
18 mi. South of Sunbury
INTERNATIONAL AGRICULTURAL EQUIPMENT
• U.P.S. Service Available

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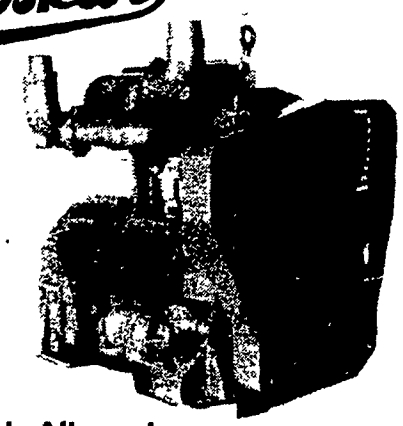
SURE! MY KIRLOSKAR DIESEL ENGINE AND YOUR MILK COOLING SYSTEM... A PERFECT MATCH!

Kirloskar



- ✓ DEPENDABLE
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Includes:
Delco Starter, Motorola Alternator, Fram Fuel & Oil Filters, Oil Bath Air Cleaner, and Industrial Muffler.
Air-Cooled & Liquid-Cooled Diesels Available Up To 100 HP

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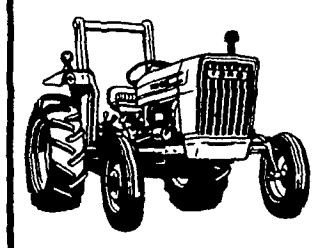
BROOKS
FORD
TRACTOR, INC.

Ford Tractor Equipment

FORD CLEARANCE SPECIALS



(While They Last)
1981 FORD 3600
(40 H.P.) No Trade
$10,200

NEW HOLLAND SPECIALS

Lease Returns (1) 513 Spreader 2 Beater **$3,500**

Lease Return 519 Spreader 2 Beater **$4,000**

Model L35 Skid Steer Loader **$12,500**

L425 Skid Steer Loader **$9,900**

315 Baler w/thrower **$8,500**

329 Box Spreader **$2,750**

303 Injector **$2,500**

GOOD USED EQUIPMENT

Mower Conditioner..... NH 460	Forage Harvester..... NH 707
Mower Conditioner..... NH 469	Tank Spreader..... Hawk Bilt
Mower Conditioner..... NH 479	Box Spreader..... IH
Mower Conditioner..... JD 800	Box Spreader..... JD
Mower Conditioner..... NH 488	Tractor..... JD 40
Flail Chopper..... N.H. 33	Tractor..... Massey Harris 33
Blower..... Gehl	Hay Tedder..... Grimm

BROOKS FORD TRACTOR, INC.
West College Avenue
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SPREAD YOUR DOLLARS FURTHER WITH THESE USED SPREADERS 95-345 BU. CAPACITY

NI 206 ground drive - wide spread
NI 212 flail w/manual gate
NH 512 w/hyd. gate
NI 212 flail w/hyd. gate
NI 211 flail
NI 245 double beater and NI 243 single beater both w/hyd. tailgate, T chain and flotation tires
Large selection of used ground drive, barrel and PTO spreaders plus many New and Used ready to go
H M Scavenger II Model 1466, 50' spread pattern
BADGER 800 gal. liquid manure spreader
New Roto Spread Dairy & Feedlot Specials - Barrel Spreaders
New Hawk Bilt 2195's Hyd. Slide Top Barrel Spreaders

NEED A TRACTOR FOR SPREADING, SNOWPLOWING?

AC 180 D, 175, 5040, D19, D17, D15, B
IHC SMTA w/wide front, 674, 464, 364, 230, 140, Cubs
JD 1520, 420, 60
MF 135 Gas & Diesel, 30 Gas, Industrial 165 w/cab and Heavy duty power angle snow blade.
AC 7000 Cab & Air, 200 Cab & Air
FORD 3600 w/cab
JD 3020 w/cab
AC D17 w/loader, 160 D w/loader
Ford 821 Gas w/loader
AC D17 Gas w/loader
IHC 504 w/loader
Kubota 295 DP w/loader
MF 203 D w/loader
Tractor Loader Backhoes Priced from $2975.00 Case 200 Gas, Case 580 gas, JD 300 Diesel

USED SNOW PLOWS

Large selection for Tractors, front end loaders and Pickups
Snow Blowers 3 pt. hitch, 3 pt. blades
Large selection of new double ring tractor chains
NEW KUBOTA tractors with snow plows or snow blowers - All sizes

WOOD CUTTERS

New 3 pt. Hitch Winches
Kubota Wood Splitters
Danhuser
Little Giant Splitters
3 pt. Woodsman Buzz Saws

FEED TO GRIND

IHC 1150 Grinder Mixer, Gehl 120 Mix All, Gehl MX 100 - Very Good Cond.
NH 358 - Like New
Farmhand Regrinder Blower
New Kill Bros. Grain Boxes w/running Gears

MISCELLANEOUS

New & Used Hay and Grain Elevators
Large Bale movers 3 pt. hitch
Feeders Large Bale Roll A Bout
3 pt. Hitch Carry Alls
Danhuser Post Hole Diggers
NI Cutditioners New and Used - perfect for turning your corn stalks into a soil building mulch - holds moisture - makes spring work easier.
Case 350 dozer, Diesel, 6 way blade & winch, scraping for parts.
Vandale 3000 gal. liq. manure spreader for truck mounting
NH 368 tandem barrel spreader, very good cond.

THINK SPRING!!!

Used Pittsburgh 8' 3' pt. Disk
Bush Hog 10' plowing disk
JD 2800 4 btm. adjustable Spring reset semi mount plow - very good cond.
3 pt. hitch chisel plows
12' Brillion roller
USED Grain drills - IHC & Ontario
Used 3 pt. - to semi mount plows - 2, 3, 4, 5 bottoms
2 rw. 3 pt. hitch vegetable transplanter
1 rw. trailer vegetable transplanter

NEW & USED

8' & 10' Brillion Cultipacker Seeders
Disc's, Harrows, & Cultivators

THIS WEEK'S SPECIAL
USED IHC Model 1150 Grinder Mixer $1975.00
IH S8 Log Skidder Diesel, Good Economy Log Skidder only $5975

CHRISTMAS SPECIAL
Little Giant Log Splitters LGA 24 Trailer Mounted - 10 Ton Splitting Force
List Price $795.00
Until Christmas or Supply lasts $645.00

CORN PICKER SPECIALS
NI 323 1 row $3250.00
NI 325 2 row Narrow $4975.00

CHILDREN'S TOYS AVAILABLE FOR CHRISTMAS
AC Pedal Riding Tractors, Toy Tractors, Plows, Toy Animals etc.
New Idea Toy Trucks

MARSHALL MACHINERY INC.
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TRACTORS:
JD 4040 RG & Power Shift $18,000
JD 520 ..... $2400
White 4-150 w/duals ... $13,500
Ford 1600 Dsl $4,500
Coming in
AC 190 XT w/cab

COMBINING:
JD 40 ..... $2900
JD 6620 side hill w/15' platform $52,000
Coming In...
JD 4400 Gas

PLANTERS:
JD 1250 6 row plateless w/monitor $1900
IHC 400 cycle 6R w/No-Till Pop. Monitor, Ex. Cond. $3200
IH 56 4R Disc Openers

TILLAGE:
JD 350 5/16 reset plow w/cushion coulters ... $3100
JD 145 5/16 Plow $1000
JD 220 Center Fold 18'6" Disk, Cushion Gang Attach. $4950

FORAGE:
JD 3800 Long Tongue for parts $1100
Gehl Chop-All 2R and Pickup $1200
Gehl Chop-All 1R and Pickup $1000
Fox FA w/1 Row Pickup DC $600
IH Pickup Head for 650 Harvester $500
Fox Sp w/2R Narrow Snapper Head 2R Narrow Corn Head & Pickup $9200

HAYING:
IH 1290 Mow. Cond. 12'.. $2100
IHC 990 Mowr Cond. $1085
NH 268 Baler w/thrower . $1385

MISCELLANEOUS:
IHC 1 PR Picker $1000
JD 400 Grinder-Mixer ... $2600
Cozy Cab for JD Utilities $1200
IH 16x7 Drill $1285
NI 325 Picker w/8 Roll Husking Bed and Sheller Attach $6250

JOHN DEERE

WINELAND EQUIP. INC.
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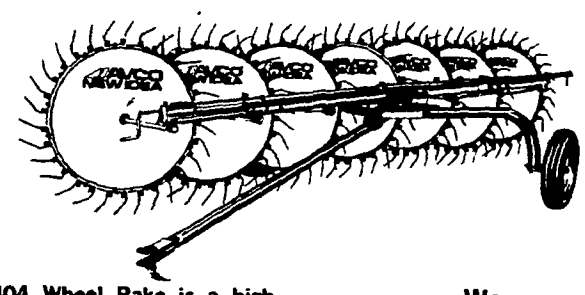
Martinsburg, PA 16662
Phone 814-793-2109

Fall Specials...

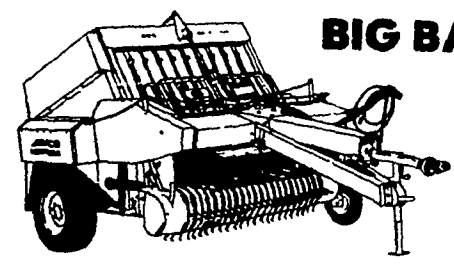
NEW IDEA MODEL 404 SPEED WHEEL RAKE



The 404 Wheel Rake is a high quality rake at a reasonable price. Rakes fast and clean in any field... smooth, uneven, contoured or hilly. Plus, it costs less to buy and less to maintain.

Was ~~$1,150~~

TRUCKLOAD SPECIAL $1050



BIG BALER SPECIAL

BUY NOW AT DISCOUNT OR RENT FOR $5 PER BALE!

ZIMMERMAN'S FARM SERVICE
Bethel, PA
Phone 717-933-4114

AVCO® NEW IDEA

Ford Tractors Equipment · AVCO NEW IDEA · HESSTON

SPECIAL
New NI 323 Picker

USED EQUIPMENT
Oliver 1850
Oliver 5 Btm auto reset plow
Bush Hog 12' Disc Harrow
NH Bale Elevator
(2) White 5400 4R Planters
Noble 25' Field Cultivator
NI 402 Rake
Ford 2R 309 Planter
Ford 501 Rr Mower
White 8700 Combine Dsl Hydro, air
White 8600 Combine, dsl hydro, air
NH 320 Baler
1068 Haybuster no-till drill (demo)
Fox 728 2R Corn Head

Moridge 275 Dryer

We are Your Certified Better-Bilt Dealer

STANLEY'S FARM SERVICE
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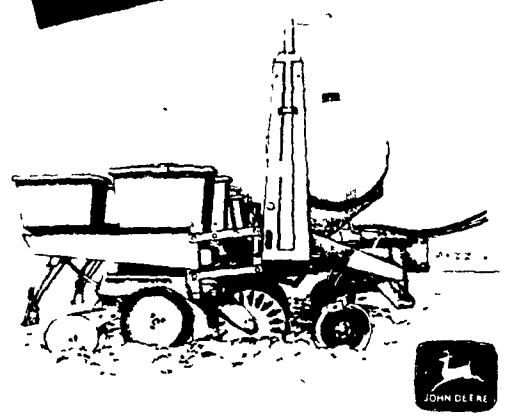
Klingerstown, PA
717-648-2088

NO-TILL PLANTERS

UP TO $6,100 DEERE BONUS

On these new John Deere Max-Emerge™ Planters plus April 1, '83 waiver offer



Order the model and size you need now. A substantial John Deere money bonus will be mailed to you after your planter is delivered.

In addition to this bonus, if you finance the planter with Deere, finance charges will be waived to April 1, 1983.*

Model	John Deere Money Bonus	Model	John Deere Money Bonus
7000 Front-Folding		7000 Conservation	
24-row N	$6100	8-row N	$1300
18-row N	$4400	6-row W	$1100
16-row N	$3900	6-row N	$1000
12-row W	$3500	4-row	$ 700
12-row N	$2600	7100 Integral	
8-row W	$2200	12-row N	$1200
7000		10-row N	$1000
12-row N	$1900	8-row N	$ 900
8-row W	$1200	8-row W	$ 800
8-row N	$1100	6-row N	$ 700
6-row W	$1000	6-row W	$ 600
6 row N	$ 800	4-row W	$ 500
4-row W	$ 500		
4-row N	$ 500		

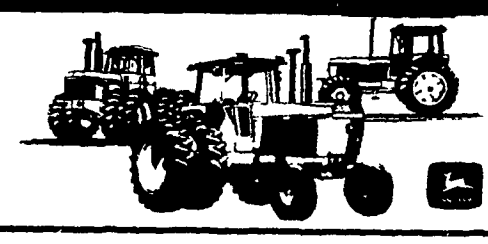
N = Narrow W = Wide

*John Deere finance plans subject to approved credit These offers may be reduced in value or withdrawn at any time

MODEL CLOSE-OUT SALE

On The Last Model 40 Series John Deere Tractors We'll Get

LOWER YOUR EQUIPMENT PURCHASE COST...LOWER YOUR EQUIPMENT FINANCING COST... AND STILL GET DEPENDABLE, HIGH-VALUE JOHN DEERE EQUIPMENT AND DEALER SERVICE



Big cash rebates during the model closeout on John Deere 40 Series 2WD and 4WD Tractors

Order any model listed below during this closeout on the last of the 40 Series Tractors we will get. When it's delivered, you'll receive a cash rebate check from John Deere in the amount listed below. But your savings don't have to stop there. Buy in December 1982, pay cash for your new tractor, finance it where you choose, or finance it with John Deere without waiver and you'll collect the cash rebate in lieu of finance waiver shown below. Or you can elect to have the John Deere finance charge waived to June 1, 1983, instead of taking the additional cash rebate.*

TRADE 'N SAVE ON TAXES

Investment credit... full-year depreciation: Get both by trading now on the following equipment we can deliver right now

HURRY! WE ARE GIVING BETTER THAN EVER PRICES ON THESE IN STOCK TRACTORS DURING OUR MODEL CLOSE-OUT SALE.

SALE ENDS DECEMBER 29, 1982

	Rebate On Purchase	Dec. 82, Rebate in lieu of waiver
(2) 60 HP 2440's	$1200.00	$350.00
(1) 70 HP 2640	$1300.00	$400.00
(1) 80 HP 2940 MFWD	$1800.00	$500.00
(2) 80 HP 2940's	$1800.00	$500.00
(1) 90 HP 4040	$2200.00	$700.00
(2) 110 HP 4240's	$2300.00	$750.00
(1) 155 HP 4640	$3400.00	$1050.00
(1) 180 HP 4840	$3600.00	$1200.00

Order a John Deere Tractor, we'll make an attractive deal on any matching equipment.

ABC GROFF, INC.

Since 1890
110 S. Railroad Ave.
New Holland, PA 17557

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Sales 717-354-4731
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FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

FOR SALE

8 KW PTO generator on wheels, $950

'74 IH cabover sleeper, 318 Detroit, twinscrew, low mileage, 10:20 radial tires, sliding 5th wheel PS, $9500.

215-286-9510

TRACTORS

- Case VAC
- Case 870 Tractor
- Case 930 Tractor "CK"
- Case 430
- David Brown 990 w Loader
- Oliver 500
- Oliver 880
- Oliver 1750
- White 2-105 Tractor
- Int 656 Tractor

LOADERS

- Case 1816 Skid Loader
- Case 450 Crawler Loader
- Case 450 Crawler Dozer
- Dunham Lehr No 2 Loader
- IH 3200 Skid Loader

TILLAGE

- Case 6-Bot Plow, 20"
- Case Disc Harrow, 10'
- Case Disc Harrow, 12'
- JD 12' Disc Harrow
- Oliver 2 Bot Trailer Plows
- Brady Field Cultivator
- Oliver 4 Bot Mtd Plow
- Used Cultipacker

HARVESTING EQUIPMENT

- Case 600 Combine w/3-Row Head
- NI Unisystem 702 Tractor, 710 Combine & 760 Harvester
- NI 709 Uni-System
- NI 315 Gathering Unit
- NI 316 Husker
- NI 315 Sheller
- NI 729A Sheller
- NI 727 Husking Bed
- NI 767 Super Chopper
- NI 737 Cornhead
- NI 323 1-Row Cornpicker
- NI 2-Row Cornpicker
- Int. Mtd Picker, 2 Row
- IH 550 Harvester w/Pickup
- JD No 25 Harvester
- Case 300 Harvester
- JD Chopper
- NH 717 Harvester
- Kools Forage Blower
- Gehl 1200 Harvester w/pickup and 2-row cornhead

HAY EQUIPMENT

- NH 488 Windrower
- NH 469 Windrower
- Hesston PT 10
- Hesston 1090 Windrower
- Dump Rake
- 3 pt Hookup Mower
- Bale Thrower Wagon
- Case Hay Rake
- JD Hay Rake
- NI Hay Rake
- NI 456 Round Baler
- JD 14T Baler w/thrower

MISCELLANEOUS

- Ford 4-Row Corn Planter
- JD 2-Row Planter, Pull Type
- IH 400 Corn Planter, 8 Row
- 10 Used Spreaders
- NI 218 8½-ton Spreader
- Potato Grader

SPECIAL
• 8 USED WINDROWERS!
• NI 456 Round Baler
Was $8,500
Special $7,800!

ZIMMERMAN'S FARM SERVICE
Bethel, PA
Phone 717-933-4114

USED TRACTORS

JD 2840
JD 2940
JD 2020 Gas w/Loader
JD 3010 Gas
JD 4010 Diesel
JD 4040 Diesel
JD 4430 Diesel
Allis Chalmers "B" w/Blade
International B-275

USED EQUIPMENT

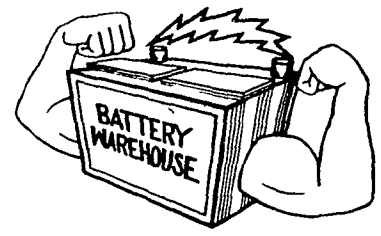
JD 6620 Sidehill Combine
JD 336 Baler w/Ejector
JD 24T Baler
Hesston 1502 Tank Spreader
Gehl Grinder Mixer
Tye No-Till Drill, 10 Ft., Like New
JD 6-Bottom Plow, 16"
NI 319 2-Row Cornpicker

SHOTZBERGER'S EQUIPMENT
Elm, Pa.
Phone: 717-665-2141

Tired of Being Overcharged?

THE BATTERY WAREHOUSE

offers a complete line of factory fresh **top quality** batteries for all of your farming needs at everyday **low low** prices.



Now Featuring Our Group 1 6 volt At

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440 Cold Cranking Amps
3 Yr. Standard Warranty

(Our Most Pop. 6 Volt Fits Many Old Farm Tractors)

We Specialize In "Hard To Find" Industrial Batteries

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on Rt. 22 East
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Windsor Park Shopping Center
Mechanicsburg, Pa. 17055
(717) 697-4414 or 4415

110 Lundy Lane
Geistown Clover Leaf
Johnstown, Pa. 15904
(814) 266-7807

3108 Pleasant Valley Blvd.
(Next to Dunkin Donuts)
Altoona, Pa. 16601
(814) 942-2888 or 2914

1115A Maugans Ave.
Hagerstown, Md. 21740
(Immed. of I-81 - Maugans Ave. Exit)
(301) 791-7780 or 7781

837A Balt. Blvd. Rt. 140
Westminster, Md.
From Baltimore
(301) 876-7188
From Westminster
(301) 857-4566

Complete Price Sheet Available Upon Request

case | GEHL | HESSTON | SAME

★ USED EQUIPMENT SPECIALS ★

USED TRACTORS:
Case 570 w/Loader
Case 1030
Case 930
Case 2470 4 WD w/Cab, Heat & Air
David Brown 1210 w/Loader
IH 574 w/Loader
Used Ford 532 Baler w/ Kicker

USED SKID STEER:
Universal (Low Price)
Bobcat 632
Gehl 4400
Case 1737
Case 1816 "C"

USED SPREADERS
Hawk Bilt 357
NH 675

GROVE WAGONS W/HYD. DRIVE

USED Gehl 1600 Baler

USED GEHL 120 Mixmill
USED GEHL 115 Mixmill

USED HARVESTERS
(3) Gehl CB600's
Gehl CB700
Gehl CB1200 3-Row Narrow Hd. & Hay Pickup
Hesston 2000
Fox 546
Gehl CT300
JD 3800 Harvester

USED WINDROWERS
Hesston 1014
(2) Case 555's
PT10
Owatonna 275 SP Windrower, 12' Head
Owatonna 230 Windrower

USED BLOWERS
IH 56 — NH 27
Fox Blower — Gehl 99

USED PLOWS
Ford 5-Bot. Semi Mtd. Plow
Case 4-Bot. Mtd. Plow
Case 3-Bot. Trailer Plow

STOUFFER BROS. INC.

1066 Lincoln Way West, Chambersburg, Pa.
Phone 717-263-8424

STRALEY FARM SUPPLY

Ford Tractors Equipment

1760 E. Canal Road
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Farm - Industrial Equipment
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All New Ford Tractors (from 12 to 300 HP) and Equipment
9¾ percent interest
Free financing until March 1
Rebates $300 and up
Free 1983 Ford pickup

Free Ford Ranger Pickup

TW30 4 Wh. dr., dual rear wheels, w/radial tires, cab & air, front & rear weights, training tractor, 163 HP, **$42,000**

OR

TW10, 110 HP, cab, radio heater & dual power, lease tractor **$28,000**

TRACTORS

Ford 8600
Several Cub Lowboys w/5' mowers
New Ford 3610 diesel w/8x4 synchromess trans. **$9,995**
New Ford 1900, 4 wh. dr., diesel,
2600 Ford, cab, front broom **$10,995**
5600 Ford, 4 wh. dr., Blue Power Special
5600 Ford 150 hrs. looks sharp
AC D10 w/loader good shape
Ford Jubilee engine complete overhaul
Ford 800, good shape, 3 pt. hitch
Ford 8N's good rubber, motor good.
David Brown 4600 select-o-matic w/3 pt. hitch **$1,495**
Ford compact loader, CL40, 750X15 truck tires, **$5,900**
IH 550 overhauled motor
Ford 4610 8 speed transmission, front weights, roll bar
Gehl Skid loader model HL 3030 **$2,500**
New Ford CL 20 compact loader **$7,495**

EQUIPMENT

Big Dipper front end loader model 672W **$1,500**
NI 310 pull-type 1 row picker
Ford 1 row mounted corn picker **$495**
Brady portable hydra mixer, model 1050 **$2,495**
New gravity boxes several to choose from
New IH model 720 forage harvester w/corn & hay head **$7,500**
New Speedy corn crib, 1200 bu. **$795**
New Brady spreader model 141, 150 bu., special **$2,495**
NH model 975, self-propelled combine, 13' grain head **$2,995**
New Ford silo blower model 618
Ford chisel plow 131 10 shank **$1,595**
Used 350 Chief grain dryer **$2,495**
New post hole diggers w/auger **$295**
York blade 6' 3 pt. hitch
Woods blade 6' 3 pt. hitch
Hanson snowblower, 3 pt. hitch, **$1,000**
Myers snowplow, for truck, 10', complete mounting **$800**
Selection of used loaders

INDUSTRIAL EQUIPMENT

TLB Ford #4500 diesel engine
Ford TLB 550 w/cab, heater, torque converter, real sharp **$18,900**
Ford Tractor w/forklift model 4000
AC grader w/diesel engine, 6 cyl.
IH truck 550 diesel
Fruehauf 42' drop deck trailer air rides 1976 model **$6,900**
5 industrial trailers, all sizes, priced right prices low as $1,995

Just in time for Christmas-
Ford toys - 20% discount
Match box tractors & cars, TLB's
Riding Tractors, Complete farm set
Call us and place your order.
We will mail UPS to you.

JOHN DEERE EQUIPMENT FOR SALE

JD 8300 18x7 grain drill, like new
JD 1010 22½' horizontal fold field cultivator, like new
JD 535 truck mtd. sprayer, 40' boom, excellent
Myers 8' Snow Plow, front mtd. for ag tractor

THE ABOVE EQUIPMENT IS FROM AN ESTATE AND IS IN EXCELLENT CONDITION PLEASE CALL FOR AN APPOINTMENT TO LOOK AT ANY OF THIS EQUIPMENT

717-428-1953

NOTICE TO ALL FARMERS

If you have a problem in tractors, all brands, concerning stiff hydraulic, differential, hydrostatic or wet brake system slipping.
We can solve it on your farm.
Also very good on automatic transmission slipping or sticking reverse.

Reasonable Rates
Must inquire to appreciate
Will travel any distance

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Lebanon Valley Implement Co., Inc.

MF — GEHL FARM EQUIPMENT

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- MASSEY FERGUSON - Tractors, Combines & Machinery
- GEHL - Grinder Mixers, Skid Loaders, Hay & Forage Equipment
- GLENCOE - Chisel Plows, Soil Savers & Soil Finishers
- KNIGHT - Manure Spreaders & Mixer Feeders
- MIDWEST - Buster Bars
- LITTLE GIANT - Elevators
- AMCO - Disc Harrows
- HAWK-BILT - Tank Spreaders
- BRADY - Chisel Plows & Stalk Busters
- CENTURY - Sprayers
- MORIDGE - Grain Dryers

SPECIAL PRICE
on
Model 275 Moridge Dryer, 275 Bu.
One Only $6,500

NEW MODEL GLENCOE
7 Tooth Soil Saver with long frame for more trash clearance
One Only $5,975

KNIGHT WEBB SPREADER
Model 252 w/gratz chain and 250 Bu. capacity includes hyd. endgate
One Only $4,695

KNIGHT WEBB SPREADER
Model 350 Soup-er-Solid gratz webb chain, lower beater, hyd. endgate & tandem axles.
One Only $7,195

HAWK-BILT TANK SPREADER
Model 2155, 152 Cu. Ft. capacity hyd. lid opener
One Only $4,595

LITTLE GIANT 34 FT.
Corn & Bale Elevator, includes motor mount, bottom hopper & used tires.
One Only $2,150

CENTURY SPRAYER
500 Gal. Trailer Sprayer includes 42 ft. boom, hyd. centrifugal pump & tank agitator
One Only $3,250

SPECIAL GEHL
Forage Box, Model 960, 16 Ft. w/roof & 3rd beater on Gehl Model 1056 tandem axle, 12 ton, running gear includes new 8 ply 11Lx15 tires & tubes.
No Trade Price $7,100

USED EQUIPMENT SPECIALS

	SALE PRICE
TRACTORS & LOADERS	
MF 2705 Tractor, 120 HP Diesel, 24 speed multi power trans. w/cab and air cond., 1978, 1,275 hrs.	$23,800.00
MF 285 Tractor, 81 HP Diesel, 12 speed multipower trans., 1978, 850 hrs.	$15,500.00
MF 275 Tractor, 67 H.P. Diesel, 8 speed Trans., 1976, 1625 hrs.	$10,900.00
MF 30B Industrial Tractor and loader, 45 HP Diesel w/cab and instant reverse trans., 1978, 2,500 hrs., new paint and tires.	$13,500.00
Ford 8600 Tractor, 105 HP Diesel w/dual power trans., like new, 18.4x38 radial tires, 1,225 hrs. (1976 new style)	$12,500.00
COMBINE	
MF 510 Diesel w/cab, 12 ft. grain table w/pick up reel and 4 row 36" to 40" cornhead non-quick attach.	$8,500.00
GRINDER MIXERS	
Gehl MX 115, 115 bushel, good condition	$2,375.00
Gehl, MX 120, hyd. drive, 120 bushel, good condition	$2,975.00
FORAGE HARVESTER	
Gehl CB 800 harvester, 8 knives w/hyd. knife sharpener	$5,800.00
FORAGE WAGONS	
Gehl 920, 16 ft. w/3rd beater and roof includes 10 ton running gear	$3,500.00
EZ forage box 16 ft. w/3rd beater and roof, 10 ton running gear	$2,950.00
Grove 16 ft. w/3rd beater and 8 ton gear	$1,000.00
SKID LOADER	
Mustang 310, 16 HP, 1979	$3,900.00
MISCELLANEOUS	
Used Brady 630 chopper windrower, good condition	$3,800.00
Used MF 33 grain drill, 17 hole w/grass and fertilizer, good condition	$1,800.00
Little Giant corn drag	$600.00

LEBANON VALLEY IMPLEMENT CO., INC.
700 E. Linden St. Richland, PA 17087
(717) 866-7518

M.M. WEAVER & SONS, INC.

MF Massey Ferguson

LEOLA, PA. 17540 PH: 717-656-2321
Located: 4 miles West of New Holland on Route 23, 1½ miles Northeast of Leola on the North Groffdale Road, 1 mile on the right, opposite Groffdale Mennonite Church.

NEW & DEMO MISC. EQUIP.	
York 8' Scraper	@ $550.00
MF 226 Scraper (3)	@ $460.00
MF 8 10 Ton Gear 11L	$1140.00
MF 7 8 Ton Gear	$775.00
MF 86 12 Ton Tandem Gear	$1525.00
MF 5 Ton 5th Wheel Gear	$300.00
EZ 672 6 Ton Gear	$675.00
EZ 1074 10 Ton Gear	$1050.00
MF 216 Q.A Loader	$1750.00
Dunham 22 Loader (2)	@ $2550.00
Danuser Post Hole Digger	$875.00
Little Giant Corn Drag	$780.00
EZ 170 Bu. Gravity Box	$550.00
EZ 220 Bu. Gravity Box	$900.00
Danuser Post Driver	$1300.00

USED CORN HEADS	
MF 83 8 Row 30" (2)	@ $7000.00
MF 63 C 6 Row 30" (2)	@ $2500.00
MF 63 6 Row 30" (4)	@ $2100.00
MF 44 4 Row 38" (2)	@ $3500.00
MF 44 4 Row 38" (9)	@ $2500.00
MF 44 4 Row 38" (3)	@ $2100.00
MF 43 4 Row 30" (1)	@ $2500.00
MF 33 3 Row 30"	$2500.00
MF 24 2 Row 38"	$2200.00
MF 422 4 Row To Fit 510	$1200.00
MF 621 4 Row To Fit 510	$1200.00
MF 322 3 Row To Fit 410	$200.00

NEW & DEMO HAY, FORAGE & PLANTING	
MF 200 Harvester w/2 Row Head	$5700.00
(4) MF 1 row Corn Head for 200	@ $900.00
MF 22 Bale Thrower	$1520.00
(2) Farmhand F7 Hay Rake	@ $1995.00
Farmhand M 25 Hay Rake	$975.00
(2) Mott 3 pt. 72" Flail Mower	@ $1500.00
Farmhand Grinder-Blower	$4500.00
Conveyor For Above	$950.00
Farmhand 815 Grinder Mixer	$4900.00
EZ 14' Forage Box, Roof, 10 Ton Gear	$4015.00
EZ 14' Forage Box, 10 Ton Gear	$3715.00
EZ 14' Forage Box, 1074 Gear	$3950.00

USED HAY - FORAGE & PLANTING	
Gehl Blower	$800.00
Gehl SP Harvester	$1,200.00
MC Rotary Scythe	$3,900.00
Model 3300 Fox Harvester w/2 Row 30 Corn Head	$4,500.00
Badger 16' Fg Wagon	$1,200.00
MF 1440 Round Baler	
MF 1560 Round Baler	$5900.00
2 Gravity Box Wagons	

TRACTORS USED	
AC 7045, Power Shift, Only 120 Hrs	$26,500
MF 1800	$15,500
MF 33 Wheel Loader	$9000.00
MF 2675	$20,000.00
MF 1130 engine overhauled	$8000
MF 178 Diesel	$4500
MF 1135 w/cab	$12,500.00
IHC 1456	$9,500.00
MF 2775 Diesel 165 H P	

DEMO TRACTOR	
(2) Ind 20C Tractor Cabs	@ $1500.00
MF 4840, 265 Hp, 18 sp 3 pt P T O	$59,000.00
MF 275 8 Speed	$12,800.00
MF 285	$18,500.00
MF 2745	$28,000.00

USED PLOWS & TILLAGE	
MF 520 Disc 10'	$1500
IH 414 Semi Mtd Plow	$600
IHC 16' Vibra Shank	$1500
JD 28' Rotary Hoe	$1800

NEW & DEMO PLOWS & TILLAGE	
MF 129 3 pt Chisel Plow	$1375.00
Dunham 8 Tooth Chisel Plow	$1600.00
MF 730 Disc Harrow 10'	$4950.00
MF 428 4-38 Cultivator	$1250.00
MF 620, 12' Disc Harrow	$4950.00

WE SOLD 20 NEW MF COMBINES LAST WINTER.
CONTACT US NOW FOR THE BEST SELECTION OF GOOD USED COMBINES.

USED COMBINES	
1981 MF 850 Hydro w/1163 C H. only 181 hrs	$59,000.00
1980 MF 760 V8, 15 ft. Floating Header, 1163 Corn Head	$62,000.00
1978 MF 760 V8, with rear Wheel Drive & Grain Saver.	$48,000.00
1977 MF 760 Turbo 6 hydro 15' Grain Head	$35,000.00
1976 MF 750, 4 Whl Drive w/6R & 4R Corn Heads & 15' Floating Grain Table	$39,000.00
1976 MF 750 Hydro, 14 Ft Grain Head	$29,000.00
1976 MF 750 Gear Drive, 14 Ft Grain Head	$26,000.00
1975 MF 760 V8, 15 Ft Grain Head	$29,000.00
1975 MF 760 V8 Hydro 15' Grain Head	$28,000.00
1975 MF 510 Diesel 13' Grain Head	$19,000.00
1974 MF 510 Diesel, 16 Ft Floating Header	$17,500.00
1974 JD 6600 Dsl., 13' Grain Head	$24,000.00
1972 MF 410 Diesel 13' Grain Head	$10,500.00
1972 MF 300 Gas 10' Grain and 2 Row Corn Head	$10,500
1971 MF 510 Diesel 13' Grain Head	$14,500.00
1969 MF 510 Diesel 13' Grain Head	$12,500.00
1968 MF 510 Diesel 13' Grain Head	$13,500.00
1968 MF 510 Diesel 13' Grain Head	$10,000.00
1968 MF 510 Diesel 13' Grain Head	$15,000.00
1968 MF 510 Diesel, 13 Ft Grain Head	$10,500.00
1968 Gleaner CII, 13 Ft Grain Head, 4 Row 36" C H	$8500.00
IH 315 Gas, 12 Ft. Grain Head, 2 Row Corn Head	$7900.00
IH 141 10 Ft Grain Head	$2000.00
IH 303, 10 Ft Grain Head	$2900.00
AC CII Gleaner with Grain Head	$2,900.00
AC A Gleaner	$2,000.00

NI 702 Diesel Tractor, 767 Super Chopper, 763 Corn Head, 717 Combine 13' Floating Grain Head

NO FINANCE CHARGE ON USED COMBINES TIL JUNE 1, 1983

C.B. HOOBER & SON, INC.

YEAR-END SPECIALS

ON ALL IH EQUIPMENT

BUY BEFORE DECEMBER 31st... TAKE ADVANTAGE OF

1. Lowest Prices In Years
2. Full 10% Investment Credit
3. Full Depreciation Benefits

SALE

If you're going to buy before Spring, DO IT NOW.
Ask your Tax Advisor about the decrease in tax benefits in 1983 compared to 1982.

WHEN YOU BUY FROM HOOBER'S YOU BUY SERVICE & PARTS FROM PEOPLE WHO CARE.

COMBINES

7963 IH 1480 Combine
7138 IH 915D Combine Hydro, Htr. A/C
6126 503C Combine w/Cornhead & Platform
7104 IH 815D Combine w/763 Crnhd & 13' Pltfm
7244 IH 815D Combine Hydro, 23.1x26 8PG
7142 IH 715D Combine Hydro, A/C
7818 IH 715D Hydro Combine 18.4x26 Tires
7757 JD 6600 Combine - Gear
7737 JD 6600 Combine - Gear
7904 JD E4400G Combine w/13' Platform
7222 MF 510 Combine Hydro
5373 MF 300 Combine
7158 AC Gleaner F Combine
7964 IH 883 Cornhead
7438 IH 863 Cornhead
7436 IH 863 Cornhead
6474 IH 844 Cornhead 38"
9493 IH 744 Cornhead
5817 IH 744 Cornhead
4147 IH 4R Cornhead
4221 NH 4R Cornhead
3641 Gleaner GKS 44 4R Cornhead
7719 AC Gleaner A438 Cornhead
5799 IH 810 15' Flex Platform
4639 IH 810 15' Flex Cutterbar
7789 IH 810 13' Grainhead w/Auto Hdr Control
4638 IH 810 Grainhead 13'
4260 IH 13' Grainhead

OTHER USED EQUIPMENT

5152 MF 14' Grain Platform
NI 324 Picker w/12 Roll Husking Bed
NI 324 Picker w/Sheller
MF 750 Combine
7244 IH 815 Diesel, 1894 Hrs
7757 JD 6600 Diesel
7495 IH 1440 Diesel, Hydro
7904 JD 4400 Gas, 1991 Hrs.
7158 Allis Chalmers Gleaner F, Gas, A-330 Cornhead
7222 MF 510 Diesel, Hydro
7935 IH 1460 Combine Diesel Hydro, 6700x34x30 and 18.4x16.1 Tires

TRACTORS

7951 IH F1086D w/Cab
6432 IH 1586D w/Cab & Air
7302 IH 1486D w/Duals, Cab, A/C
7678 IH 1466D w/Cab 20.8x38
7372 IH 1466 w/Cab 20.8x38 F
7573 IH 1466 24.5x32
7379 IH 1456 w/Cab
7864 IH F1066D
7569 IH 1066 w/18.4x38 8P
7865 IH 806
7606 IH F706D Narrow Ft. 16.9x34
7797 IH 656G Hydro w/2000 Ldr.
7844 IH Farmall 450D w/pulley.
7824 IH 424G
7846 IH 424G
7835 IH 500G Crawler Loader
7825 IH Farmall H w/pulley
7870 IH Farmall H w/pulley
7500 IH Farmall H 13.6x38
7059 IH Farmall M w/IH 2M 2 Row Cornpicker
7449 Ford 335 w/Loader (Industrial)
7861 MF 1805 4WD 18.4x38 Duals
7131 MF 1085 w/Duals, Ldr.
7183 Steiger Cougar III ST-251 w/20.8x34
7718 JD 2010 G w/12.4x36
7305 White 2-155 w/Cab & Air
7373 JD 8630 w/18.4x38 Duals
7722 IH 3300 B Skid Loader
7821 4120 Skid Loader
7962 Ford 3000 w/Loader

TILLAGE

7955 Krause 1577 Disk 16'
7184 Krause 2413 Disk, 23'
7049 Krause 2413 Disk w/3 Bar Tine Harrow
7692 Krause 2204 Disk, 12'
7691 Krause 1924 Disk, 21'
7550 Krause 1588 Disk, 18'
7932 Krause 1587 Disk, 16'
7551 Krause 2224 Disk, 12'
7589 IH 475 Disk 13'
4544 Deere 330 Disk, 23'
7879 Deere 310 Disk 12'
6332 Deere 310 Disk 12'6"
7525 Deere AW 12' Disk
6972 Deere 12' Offset Disk
7561 Deere KBA Disk 12'
7662 Miller Disk 10' Hyd. Leveling
7751 Miller Disk 12'
7880 Bush Hog 24' Disk
7620 Hutch Master Rolling Plow Offset Disk
5584 Sunflower Disk 29'
6033 AC Disk 24'
7413 Oliver 252 Disk 10½'
7950 IH 490 Disk 20½'
7562 IH 800 10F Plow 18" Trailing
7504 IH 45 17 Shank 8½' Mounted Vibra Shank
6255 Cultivator for Farmall Cub
6982 IH 710 6F 18" OnLand Plow
6373 IH 700 5F 16" Plow
7913 IH 550 Plow 5x16
6470 IH 540 4F Plow
7543 IH 531 3 pt. 3F 16" Plow
7688 Ford 4F 16" 3 pt. Plow 3F
7847 IH 209A 2F 14" 3 pt. Plow
6493 Glencoe 11 Shank 13'6" Chisel Plow
7537 Binkley 2111 Digger Disk 11 Shank Chisel

OTHER EQUIPMENT

3288 IH 400 Planter 8R Cyclo
7607 IH 400 Planter 6R
6654 IH 400 Planter 4R Cyclo
6475 IH 400 Planter 4RW Cyclo
7623 IH 56 Planter 4R
7720 AC 600 Planter 6R No-till
7576 Deere 1240 Planter 4R
7567 IH 510 21x7 Comb Drill
7862 IH 510 18x7 Comb Drill
7910 IH 510 16x7 Comb Drill
7554 MF 43 22x7 Drill x. Grass Seed
7369 Bean B6-30MT-1000 Sprayer
6590 Kuker TOP 200 Saddle Tank
6928 Century 300 Gal. Saddle Tank
7555 Deere 150 Gal. 3 Pt. Sprayer w/Boom
7274 FMC Bean D020P300S
7321 Brady Flail Chopper
7615 Brillion SSH-144-09 12' Rotary Cutter
7815 Woods 121 10' Twin Blade Mower
7826 NH 120 7' Cutterbar Mower
7752 NH 27 Blower

ALL NEW & USED PRODUCTS BACKED BY HOOBER PARTS & SERVICE

Radio Controlled Trucks For Better Service

C.B. HOOBER & SON, INC.

INTERCOURSE, PA (717)768-8231 - AUTHORIZED UPS STATION - MIDDLETOWN, DE (302)378-9555

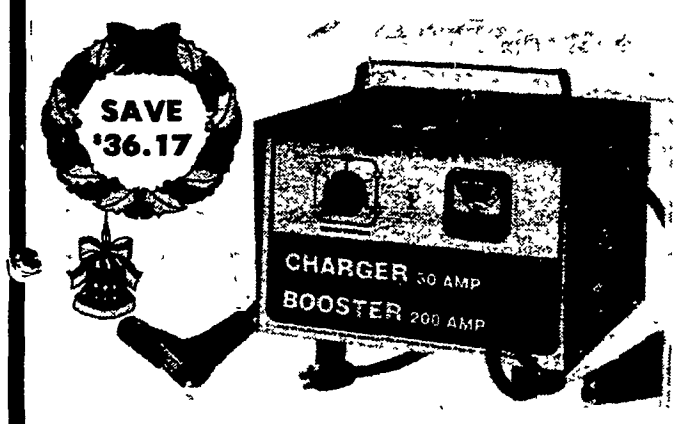
C.B. HOOBER & SON, INC.
Intercourse, PA
(717) 768-8231

HOOBER EQUIPMENT, INC.
Middletown, DE
(302) 378-9555

★ CALL US - WE PROBABLY HAVE IT ★ WILL SHIP SAME DAY VIA UPS-PPSH-BUS-AIR FREIGHT-ETC.

United Parcel Service

HE'LL GET A CHARGE OUT OF THIS GIFT



30-AMP HEAVY-DUTY CHARGER & BOOSTER

The ideal charger for many, many uses around the farm and ranch.

- Fast charge delivers 30 amps on 6 and 12-volt batteries.
- Slow charge 5 amps for overnight charging.
- Booster up to 200 amps for starting engines.

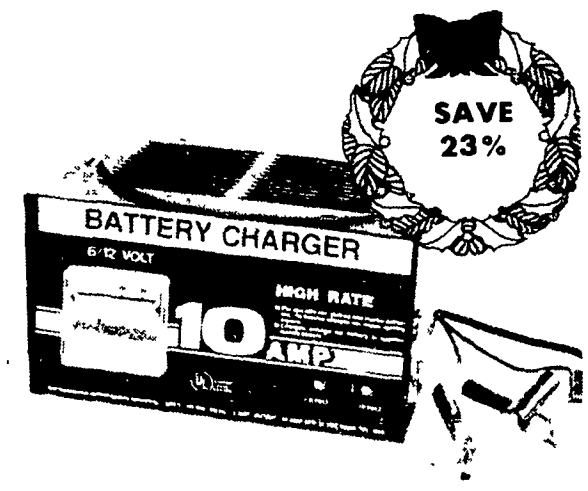
407 391 R92.

80-AMP BATTERY CHARGER BOOSTER AND TESTER

- Charges to 80 amps, boosts to 300 amps.
- Tests alternators, battery charge; 7 other tests.
- Exclusive dual meter design.
- Timer.
- Rugged construction.
- Part number, 1131 855 R1

Reg... $293.43

SPECIAL.... $242.95



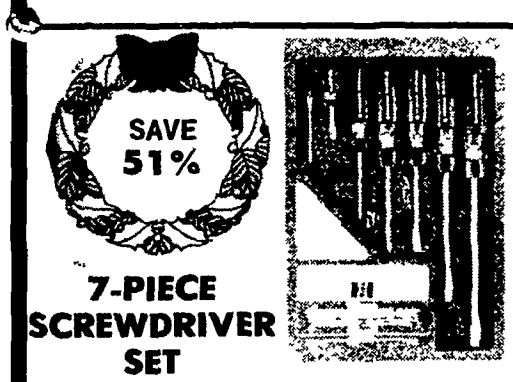
10- AMP CHARGER

This household and utility 10-amp charger is an excellent choice for home and farm. 407 389 R92.

Reg... $64.52

SPECIAL PRICE . . . $49.95

SAVINGS . . . $14.57



7-PIECE SCREWDRIVER SET

Includes 4" round blade, 6" round blade, 8" round blade, No. 1 Phillips, No. 2 Phillips, stubby screwdriver, pocket screwdriver, plastic tray. 999 355 R1.

REGULAR $24.46

(Total individual piece price)

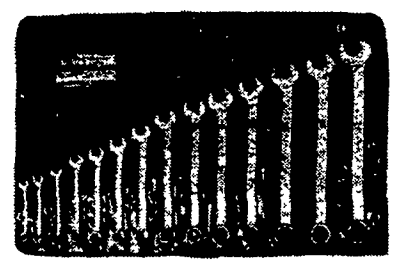
Special $11.99

Savings $12.47

12-FOOT POWER LOCK TAPE

Blade locks where you want it, rewinds automatically under power. Graduated in sixteenths and thirty-seconds on the first six inches; has stud markings every 16 inches. Chrome plated case, with metal belt clip. 999 129 R1.

$7.99

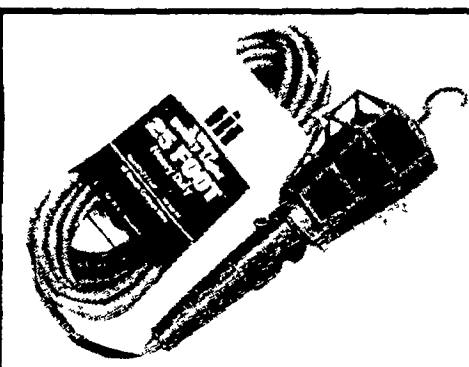


14-PIECE COMBINATION SET

Fourteen combination wrenches (3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4-inch); plastic tool roll. 999 546 R1.

Special $95.99

Savings $29.00

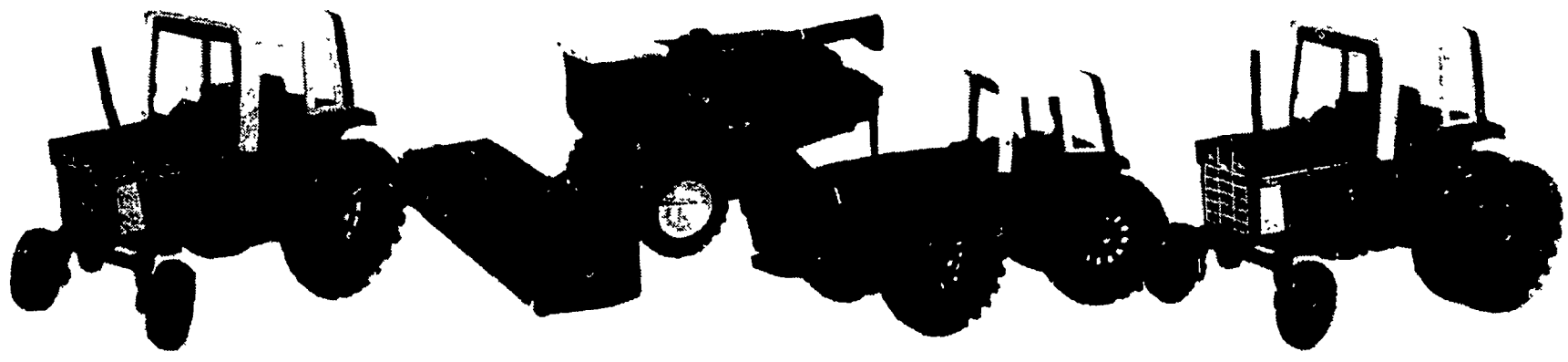


UTILITY LIGHT

Handy for hundreds of uses, this light features directional swivel hook, vented high heat polypropylene bulb guard, safety switch button guards with built-in three-wire grounded outlet comfortable finger grips, 25-ft. cord. 1131 503 R1.

$11.95

Fun Gifts For The Future Farmers In Your Family



20% OFF ALL TOYS IN STOCK

PARTSMART

WILL SHIP SAME DAY VIA UPS - PPSH - BUS - AIR FREIGHT - ETC.

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

HARVEST SPECIALS

S.G. LEWIS AND SON, INC.

RD #2, Box 66, West Grove, Pa.
215-869-2214
All Hay Equipment Free Finance until 6/1/83

FORAGE

SNH #892 Forage Harvester w/#822 corn head and 880W windrow pickup.	$12,500
SNH #718 Forage Harvester w/#822 corn head	$8,000
SNH #25 Blower	$1,600

HAY

SNH #451 Mower w/7' Cutter Bar	$1,860
SNH #472 Haybine	$5,875
MF #124 Baler	$5,000
SNH #80 Bale Handler	375

SPREADERS

SNH 679 Spreader w/splash guard, fine manure pan and hyd. end gate	$5,300
SNH 791 Spreader w/splash guard, hyd. end gate and fine manure pan	$7,500
SNH #301 Liquid Spreader, 540 Drive w/soil ejector & coulters	$9,000

Don't be fooled by lower prices on "will-fit" parts. The management of other brand dealerships recognize the value put into genuine Sperry New Holland parts and service.

This is what made Sperry New Holland the leader and No. 1 in hay and forage equipment. When a problem arises or you need parts or service, call your authorized Sperry New Holland dealer.

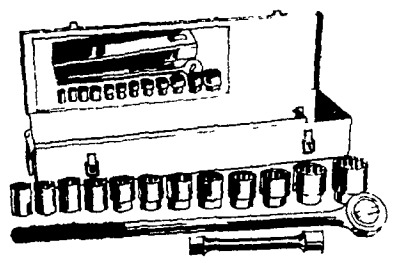
215-869-2214 or 215-869-9440

IH SUPER SAVING TIME

PARTS VALUE OF THE MONTH

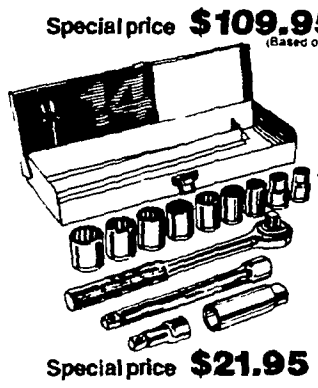
CHRISTMAS BELL RINGER SALE!

SAVE UP TO 46% ON THESE MOST-WANTED GIFTS



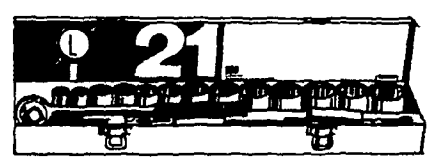
IH 15-piece ¾" drive socket set
Just the set for the man on your Christmas list Lifetime replacement warranty. If a tool fails under normal use, we replace it free Set includes twelve sockets ⅞ to 1⅞".

Special price **$109.95** Save $94.50
(Based on individual piece list price)



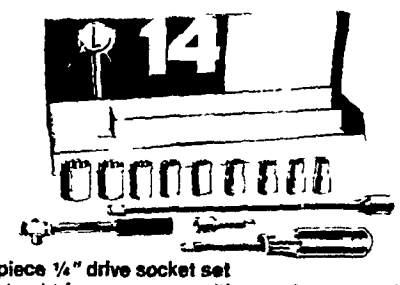
14-piece ⅜" drive socket set
Ideal for auto repair and injection work. Set has four 6-pt. sockets ⅜ to 9/16" and five 12-pt. sockets ⅝ to ⅞". Ratchet, two extensions, and spark plug socket included

Special price **$21.95** Save $5.72



21-piece ½" drive socket set
Basic tractor set. Includes thirteen 12-pt. sockets 7/16 to 1¼", ratchet, two extensions, flex handle, two spark plug sockets, and universal joint . . . all organized in a metal box.

Special price **$52.45** Save $13.67



14-piece ¼" drive socket set
Just right for precision ignition work or general home use. Complete with nine 6-pt. sockets 3/16" to ½", ratchet, two extensions, and spinner handle.

Special price **$15.95** Save $4.15

Put one of these sets under your tree and you'll have one happy man!

(Savings based on regular IH suggested list prices)

AGRICULTURAL EQUIPMENT

ERB & HENRY EQUIP., INC.

New Berlinville, PA. 19545
PH: (215) 367-2169

PARTSMART

NEUHAUS'ES INC. WINTER SPECIAL

EARLY STOCK ORDER PROGRAM ON PARTS

DECEMBER 1982 THRU JANUARY 1983
ALL JD PARTS 10% discount
ALL PLOW BOTTOM PARTS
10% + 5% DISCOUNT

ALL STOCK ORDERS MUST BE (1) PER CUSTOMER 200.00 OR MORE, AND BE PAID CASH, PACE, VISA OR MASTERCARD WHEN PICKED UP.

NEUHAUS'ES INC.

Country Rd.
RD #2 York, Pa
717-428-1953
PARTS # 717-428-1955

INTERNATIONAL® AGRICULTURAL EQUIPMENT

NEW TRACTOR SPECIALS

IH 784 4 wh. dr. w/TA
IH 3688 w/rops and 18.4x38 tires
IH 3688 w/cab & 18.4x38 tires
IH 3088 w/16.9x38 tires
IH 784 w/TA
IH 684 w/TA

NEW EQUIPMENT SPECIALS

TILLAGE
IH 510 4F 18" plow
IH 720 6F 18" plow
IH 5500 Chisel plows
IH 475 12' disk
IH 415 12' packer mulcher
IH 4500 12' vibra shank cultivator

HAY AND FORAGE
IH 1190 9' mower cond.
IH 600 forage blower
IH 120 forage box
IH 881 forage harvester w/hds.

PLANTING EQUIPMENT
IH 5100 16x7 drill w/out fert.
IH 5100 18x7 drill w/fert.
IH 5100 18x7 drill w/out fert.

SPREADERS & MISCELLANEOUS
IH 540 spreader 185 bu.
IH 550 spreader 215 bu.
IH 560 Spreader 245 bu.
IH 30' 8' blade
IH 40' 8' blade
IH 2250 loaders

ALL EQUIPMENT ON STOCK

USED TRACTORS

IH 186 D w/cab hydro nice . . $22,500
IH B275D Tractors $1150
IH 806 D w/3 pt. $8500
MF 1080 D . . . . . Coming In
IH F 300 Gas w/2 pt. $1750

USED CORN HARVESTING & COMBINE EQUIPMENT

IH Sheller for 234 Picker $950
Fox 1 Row Corn Head for a 546 . $150
JD 30 Pull Combine $1150

USED HAY EQUIPMENT

IH 990 7' mower conditioner . . $1750
IH 37 Baler w/thrower $1800
IH 27 Baler w/thrower $1500
NH 469 mower cond. $2350
Hesston 1010 10' hydro-swing mower cond. $3500
NH 770 Forage Harvester w/2 RW narrow head and pick-up unit $5250
IH 2 rw wide and narrow head for 720 and 830 harvesters $1650
IH 45 Table Blower $200
JD Bale Thrower, for a 24T Baler $150
IH 120 Mower (Balanced Head) . $650
Brady 6' Stalk Cutter $450

Waiver of finance until 6-1-83

USED TILLAGE

IH 315 - 12' packer mulcher w/cyl. $2150
Ford 142 Auto. Reset, 5F, 18". $2250
IH 401 16' Harrow $600
Athens 8 Tooth mted. chisel plow $1250
Leley Roterra 12' $950
IH 60 3F 14" trailer plow $375
IH 550 5F 16" plow $1250
IH 710 5F 16" plow w/cyl. $2250
IH 37 10' disk $750

SPREADERS AND MISC.

Hawk Bilt 2195 Flail (New) spreader w/hyd lid $5350
NI Model 211 Spreader (Nice) . $1350
Ford 5' rotary cutter $350
NI Elevator $200

USED PLANTERS AND DRILLS

IH 510 16x7 D.D. Comb. drill . . $3250
IH 56 4 row $1250
IH 400 4 row 38" $1500
JD 494 A w/new hoppers $1350
IH 400 6 R 30" Planter, w/insect $4500
IH 249 2R planter $500

Waiver of finance until 5-1-83

MIFFLINBURG FARM SUPPLY, INC.

East Chestnut St., Mifflinburg, PA 17844
Phone: (717) 966-3114
Evenings - 717-524-2924 - Frank Saner

LONG WENGER'S INC.

OVER 200 TRACTORS SOLD THIS YEAR

251 SOUTH RACE STREET
MYERSTOWN, PA 17067

DAYS: 717-866-2135

PHONE:
NIGHTS: 717-866-7147

OR: 717-273-9089

TRACTORS

FARMALL TRACTORS

1086 ROPS - Nice $11,900
100 Hydro w/Rops $7650
H $650
444 Utility - Nice $3950
656D $5950
M - Live Hyd $1450
464 w/Loader 800 Hours . . . $7950
806 Diesel - Good $4950
1206 Diesel - Nice $6950
40 Utility - Nice $2950

JOHN DEERE

60 w/NI Mounted Picker . . . $3000
4430 Cab - Air - Syncro . . . $15,900
4520 - Nice $8400
4320 ROPS - WTS $11,900
4320 . . . . . $10,900
5010 . . . . . $6300
820 - 2 Cylinder $3000
3020 Powershift $5975
4020 - Side Console $8900
A - New Paint $950
4020 Diesel - Good $6950
720 Diesel - WF - 3 Pt $3500

CASE

1370 - 20.8x38's $8100
1070 Cab - PS $6900
830 CK $3100
VAC - Nice $1250
830 CK w/Loader & 3 pt. . . . $5650
1030 w/Cab $5900

LONG

310 - New $5900
310C - New $5900
560 4 WD $4950
610 4 WD - New $11,500
560 4 WD $3300
550 . . . . . $2800

MASSEY FERGUSON TRACTORS

1105 . . . . . $7900
175D $5700
1130 . . . . . $6500
180 - Gas $4850
85D $3950
40 w/Sickle Mower & Cab - Nice $5950
44 Gas $695
50 Gas - Utility - PS - Nice . . $3500
165D $4950

ALLIS CHALMERS

D21 w/Cab - Nice $7500
220 . . . . . $8500
(2) G w/Asst. Tools $1500 to $2000

OLIVER

1855 - Cab - 1700 Hrs. $9800
1650 - Nice $4950
1855 w/Cab $5900

FORD

6600 - Nice $8900
5600 - 1977 Model $7900
2000 w/Mower - Nice $3900
NAA $2750
8N w/Clock $1675
600 w/Loader - Nice $3750
8000 . . . . . $4900
8600 - DP $8950
6000 - Diesel $2950

TRACTORS - MECHANICS SPECIALS

Farmall 806D $3950
Farmall 706 . . . . . $3450
JD 4020D $5250
Oliver 1750 . . . . . $3500
AC WD45 w/2X Picker $2350
MF 180D $2800

"9" 4 WHEEL DRIVE TRACTORS From 50 HP to 225 HP

MF 1805 - Cab - Air - 3 pt PTO - Duals - Nice $19,500
Ford County 6 - 3 Pt PTO . . . $5900
Case 2670 - Cab - Air - 3 Pt - PTO Duals $19,500
IH 4166 - Cab - Air - 3 pt - PTO - Nice $11,750
Long 610 - New - Rollbar . . $11,500
Long 560 - 3 pt & PTO - Spider $4950
Long 560 - 3 pt & PTO $3300
Ford Major 4WD $3750
4WD Unit to Fit IH : $1200
4WD Unit to Fit Oliver $2500
Case 1200 - 3 pt - PTO Cab $7500

BEST PRICES AROUND ON WAGON GEAR'S

ALL ON 15" RIMS

6 Ton - Standard $395
8 Ton - QL Tounge - 8" Rims $545
10 Ton - QL Tounge - 8" Rims $595
12 Ton - QL Tounge - 10" Rims $875
11 Ton Tandem - QL Tounge - 8" Rims $875

NEXT AUCTION

MONDAY, DEC. 27th
9:30 A.M.

See Listing - Page D35

CONSTRUCTION EQUIPMENT

CRAWLER DOZERS

Cat D8 . . . . . $1500
JD 450 6 way As Is $4800

BACKHOES

Long 3 pt. Hoe-new $3900
Long 5 in 1 w/cab $15,900
3 Pt. Backhoe . . $2400
Case Hoe Attach . . . $700-$1700
JD 310 w/cab $12,500
JD 93 Hoe Attach $2900

MISC. CONSTRUCTION

(40) Used hoe buckets . . . From $150
(25) Loader buckets . . . . From $95
(30) Set forklift forks . . . . . From $300
(6) Winches . . . . . Call
Adams Grader . $1750
(2) Huber Maintainer $2500 & Up
Michigan 75 4WD Loader Diesel . . $5900

TRAILERS

1969 Great Dane 35 ton detachable . . $14,750
New 2X 4 Ton . . $1350
New 3x6 Ton . . . $2000
New 3x5 Ton . . . $1750

CRAWLER LOADERS

Cat 941 . . . . . $14,900
Cat 933 . . . . . $7900
JD 350 . . . . . $6900
IH T6 . . . . . $2900
AC HD6 . . . . . $4900

TRUCK TRACTOR

1974 Ford Louisville Diesel $7450
1979 GMC Cab Over $17,900
1970 White $2950

CONSTRUCTION DUMPS

1974 IH Diesel w/9' Body Air Brakes . . . $10,500

COLLECTORS TRACTORS

- Fordson, Running w/New Rubber $1800
- Farmall "F20" w/Loader,, 1939, 1 Owner, Original $1000
- JD "L", Running, 1 Row $1000
- JD "H", Not Running, Hand Crank $850
- JD "A", Styled, Hand Start, Nice $950
- Oliver "70" w/Loader, Runs $875
- JD "A" Unstyled $3250
- JD "A" Unstyled . . . . . Coming In
- Farmall 15-30 . . . . . Coming In

FINANCING NOW AVAILABLE ON ALL ITEMS OVER $500

WINTER SPECIAL
Used Tire Chains

HARVESTERS

NH 890 - Nice
NH 717 & Super 717
JD 25-35
Fox & AC
1 Row to 3 Row Cornheads
Direct Cut Heads
Pickup Attachments
Fox Flail Head
Snapper Heads For: NH Fox - JD

CORNPLANTERS

1 Row to 8 Row JD-AC-IH-Ford

CULTIVATORS

1 Row to 4 Row Lots of Makes And Models

SKID LOADERS

OMC 1200, 1976 . . . . . $3900
OMC 1700 Diesel $5900
Ford 340, 1973 $3500
Melroe 520 . . $5900

COMBINE CORN HEADS

NARROW ROW
IH 833-743-733-429 -329-863-327
JD 643-443-434-334 -313-335
AC 630-430-330
Oliver 703N-531-541
MF 63-43-33-321
NH 4x30 QT
Case 4x30-3x30
NI UNI - 3x30

WIDE ROW
IH 744-429-329-327-724-229-228-227-25-22-844
JD 434-334-234-210-205-10-344-244-444
AC 440-435-240-238
Oliver 544-531-522-512-
MF 44-24-422-322-222-22-20
NH 2x40
Case 4x40-2x40
NI UNI 3x40-2x40

CORNSHELLERS

JD #6 . . . . . $1500
MM 1200 . . . $3800-$4500
JD 43 - 3 Pt. $875
JD 43 Pull Type . $695

COMBINES

JD 7700 D - Fire Damage $7200
JD 4400 - Nice - Rotary Screen $13,700
JD 55 SB $5200
JD 45 SB w/2 Hds. $5700
MF Super 35 . . . $4950
IH 82 Pull Type . $3500

GRINDER MIXERS

Gehl - Nice $3450
NH 354 - Nice . . $3850
NH 352 . . . . . $1500

HAYBINES

NH 479
(2) NI Cut ditioners

STACK MOVERS

Hesston 10W & 30
JD 200

CULTIMULCHERS

10'-12'-14'-16'

DRILLS

JD & IH 15 to 21 Disc

NEW DISC'S

3 Pt. - Now & Used Wheel Type From 8' to 24' Offsets From 10' to 16'

CABS

New & Used $495 & Up Tractors & Combine Rollbars . . . $200 & Up Cab Coolers . . . $500

NI UNI SYSTEMS

701 Tractor w/cab
727 Husking Bed
2x40 Cornhead
3x30 Cornhead
710 Combine Grainhead
3x30 Chopper Head
Pickup Head
High Moisture Throat
2x40 Chopper Head
3x40 Corn Head
760 Chopper
717 Combine

NEW EQUIPMENT SPECIALS

6' 3 pt. Scraper Blades $195
7' 3 pt. Scraper Blades $250
8' 3 pt. Scraper Blades $350 & $795
Landscape Boxes . . . . $450& up
6'6" 3 pt Disc's $500
Spike Harrows . $500-$600
3 pt. Fert. Seeders $350
Round Bale Feeders $145
3 pt. Boom Poles . $49
3 pt. P.T.O. Wood Saws $495
3 pt. 9" P.H. Digger $450
165 Bu. Gravity Boxes $465
210 Bu Gravity Boxes $565
5' 3 pt. Rotary Mower . . $495

RAKES

MF-NH-JD

BALERS

NH - MF - IH

"NEW" 3 Pt.- PTO - WOODSAW 30" BLADE
ONLY $495.00

DUALS

New & Used All Sizes

ELEVATORS

32' to 40' - $695 & Up
NH Mow Conveyors
Belt Conveyors
Corn Drag $395

PLOWS

1 Bottom to 7 Bottom All Makes - Some Resets

LOG SKIDDERS

JD 440A $8950
Tree Farmer C7 $6950

WAGONS

6-8-10-11-12 Ton Gears . . . . . $395 & Up
New Bale Bodies $495
New 16' Feeder Rack $595
Used 18' Feeder Rack & Gear . $595
Used Bale Body & Gear . . . $595
Used Bin Wagons . . $695 & Up
Self Unloading Wagons . . $795 & Up

MISC. MACHINERY

Rotary Hoes
Lely 13' Roterra
4' to 10' Snow Plows
Post Hole Diggers
Lime Drills
Potato Plows
1X & 2X Potato Diggers
GT 270 Dryer
Mc 600 Dryer
(2) Gehl 72 Flail Choppers

MANURE SPREADERS

NH - NI - IH Single Axle . . . . . $395 & Up
NH Tandem Axle $2850

LOADERS

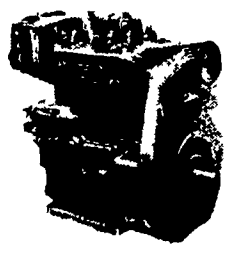
Good Asst.
All Used

FORKLIFTS

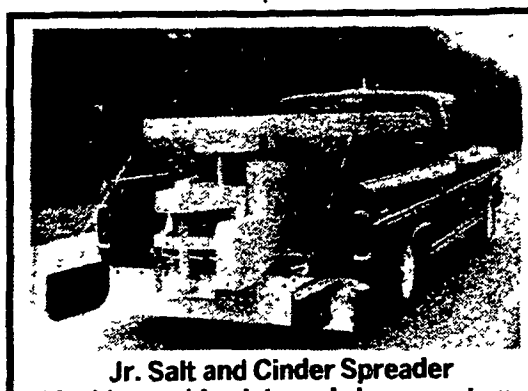
Towmotor . $2300
IH 350 . . . . $2900
AC $3100
Towmotor . . $5200
(2) Tow Motor $5300
(2) Ford . . . $5900 & $2900

COME TO THE PEOPLE THAT DO BUSINESS

FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT



Let Us Know
Your Service Problems
HOOVER DIESEL SERVICE
PH 717-656 6133
2998 West Newport Rd
Ronks, PA 17572



Jr. Salt and Cinder Spreader
Ideal for parking lots and close quarters.
Fits most pick up trucks.
Self-contained, easy on and easy off.
SLIP-IN models for large dump trucks.
TAIL GATE spreaders for dump trucks.
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This fuel efficient vehicle will operate a normal 8 hour work day on approximately 2 gallons of gas. Capable of hauling a one ton payload with ease, the powercart goes where your pickup truck or large farm tractor can't. Four wheel drive and hydraulic dump bed are standard equipment.

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Quakertown, PA 18951
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IH Badger OMC AVCO NEW IDEA

IH 9 SOLD tor, Ex Cond. WF
JD 4020 WFE Side Console, Low Hrs
IH 656 Dsl. w/2000 Loader
IH Super C
IH Super H, Excellent
IH 2500 Industrial Tractor w/Loader
IH 2500 Tractor/Backhoe Loader
IH 1206 Tractor
IH 806 Tractor
IH 706 Tractor
IH 674 D Tractor
IH 656 D Farmall Tractor A-1 Cond
IH 656 Gas Farmall Tractor
IH 606 D Utility Tractor, Exc.
IH 574 D Tractor w/2050 Loader
IH 544 D Tractor Utility Hydro, Ft Pedal
IH 125 E Hi-Lift
IH 200 Farmall w/Cult. & Front Blade
Case 800 D Tractor
Case SC Tractor
Ford 961 Tractor
IH 756 Diesel Tractor
Long 350 Low Hrs
David Brown 990 Dsl

JD 70 Skid Loader
#10 Hydra-Mac Skid Loader
Bobcat #310 Skid Loader, 110 Hrs

JD 2600 5B Auto Plow Variable Widths
IH 710 4x16 Plow Reset
IH 560 6x16 Plow
Long 2x14 3 pt. hitch plow
JD 130 3B Plow 3 pt
JD 720 5B 20" Plow
Oliver 3x14 3 pt Plow
JD KBA 12' Transport Disc
Case 8' Disc
Dunham Lehr 9' Disc
Kawanee 13' Disc
IH 19B Disc
IH 53 4 Row Cultivator
IH 263 2 Row Cultivator
Oliver 10 Ft Disc

IH 650 Harvester
IH 555 Fg. Harvester
Fox 546 Fg. Harvester
Fox 3300 w/2R Narrow Corn Head
Fox 3000 Harvester
Fox 249 Snapper Head
Fox Custom 90 Fg Harvester
NH #818 Fg Harvester
Brady 722 Flail Chopper
IH #8 Flail Chopper
NH #33 Flail Chopper

NH #6 Fg Wagon
VanDale 185 Mixer Wagon w/Scales
Coby 4000 Fg. Wagon
McCurdy Gravity Box
Grove Fg Wagon w/7 Ton Gear
Gehl Fg Wagon w/8 Ton Gear
Brady 512 Feeder Wagon
Badger Fg Wagon w/Tandem Axle, Roof

IH 1460 Combine w/6 row Head
IH 915 Combine w/6R Corn Head
IH 715 Combine w/4R Corn Head
IH 205 Combine w/13 Platform

OMC 590 Sm. Round Baler
NI 456 Big Roll Baler
IH 241 Big Roll Baler
IH 2400 Big Roll Baler
IH 445 Baler w/Thrower
IH 440 Baler w/Thrower
NI 270 Cut/ditioner
IH 1190 9' Windrower
IH 990 9' Windrower
OMC 216 9' Windrower
OMC 208 9' Windrower
Case 555 9' Windrower
Hesston 10' Hydro Swing Windrower
Hesston 320 AP 9' Windrower
NH 404 Hay Crusher
JD 5' Rotary Mower - Excellent
Mott 3 Pt. Mower
Fisher Hay Tedder PTO
JD 894 Rake
IH 15 Rake
Hesston 12' Loader for Hydro Swing Windrower

702 Uni Cheap
705 Uni
767 Forage Harvester
710 Combine
729 A Shelter
NI 744N Corn Head
770 Feeder House

IH 56 Blower, Reconditioned
Hussler 56 Blower
Fox 44 Table Blower, belt driven
Kools KB60 Blower
NH #27 Blower

JD FB 13x7 Comb Grain Drill
JD 17x7 Comb Grain Drill
IH 16x7 Comb Grain Drill
Oliver 16x7 Comb. Grain Drill on Steel Wheels
Oliver 10x7 Comb Grain Drill on Steel Wheels

Jamesway 60' Belt Feeder
York Rake 3 pt hitch
IH 1150 Grinder,Mixer
200 gal sprayer
Danco 8' 3 Pt Blade
Little Giant 34' Elevator
KW Loader for IH 284
Walsh 500 Gal Sprayer, Nice

NI 245 Manure Spreader
NI 244 Manure Spreader
NI 224 Manure Spreader
NI 218 Manure Spreader
NI 214 Manure Spreader
NI 213 Manure Spreader
NH 676 Manure Spreader
Better Bilt 2600 Gal. Liquid Spreader
IH 540 Manure Spreader
Hawk Bilt #357 Spreader

JD 1240 4 Row Corn Planter
IH 400 6R No Till Corn Planter w/Monitor
IH 400 4R No Till Corn Planter
IH 56 4 Row Corn Planter

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FREE FINANCE ON FORAGE UNTIL 9-1-83!
5% 24 MONTH FINANCING AVAILABLE ON ALL SNH EQUIPMENT
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IH

3088
3688 tractor
5088 tractor
1420 combine
14 SOLD ibine
800 air planter
810 header
820 header
94 SOLD head
IH 730 plow vary SOLD 4 btm.
720 plow 5x20" - auto. reset
5100 drill 16x7 plain, 21x7, w/depth press wheels
13' 5500 chisels
1300 mower
1190 mower-cond.
2 - IH #15 throwers
475 wing disc, 18'7"
435 baler
550 spreader
2250 loaders
183 4-R cultivator

NEW HOLLAND

311 balers (2)
31! SOLD
#70 & 75 throwers
489 haybines
425 skid loader
L-3! SOLD oader
718 chopper
782 SOLD r
822 corn head - $2500
892 chopper
#8 crop carrier
OD 100 offset disc-12'
451 mower
513 spreader
363 spreader
519 spreader
791 spreader
474 haybine

BUY A NEW 851 BALER AND GET A FREE HAY RAKE!

WE RENT SKID LOADERS

JUST TRADED
IH 1440 Combine, Excell. Cond.
844 corn head, auto header control, air cond.
Waiver of finance availabie

OUT-OF-SEASON DEALS!
IH 435 BALER w/HD PTO,
#15 THROWER $7500
IH 1190 MOWER-CONDITIONER $6200
Prices are cash, no trade

USED SPECIAL
IH 544 FARMALL DIESEL
3 pt., wide front, excellent

FARMALL "M" w/Live hyd.

USED
BEACON PRESERVATIVE APPLICATOR
USED
IH 510, GRAIN DRILL 16x7, d.d. openers, combination, w/depth bands, excellent

"THINKING COMBINE?? REMEMBER - IH AXIAL FLOW HAS WON MORE ENGINEERING AWARDS THAN ANY OTHER COMBINE. AXIAL - FLOW CAN PAY IT'S WAY WITH LESS FIELD LOSS, MORE GRAIN IN THE BIN PLUS THE GREATEST HEADERS IN THE INDUSTRY! WE HAVE A 1420 IN STOCK" THE 1420 IS A REASONABLY PRICED, 4 ROW ROTARY MACHINE. BUY THE "HQT" COMBINE FOR LESS MONEY THAN ITS COMPETITORS. OUR COMBINES ARE BACKED BY OUR OUTSTANDING SERVICE DEPARTMENT.

USED EQUIPMENT

IH 3388 2 + 2 low hrs.
IH 2400 Ind tractor diesel, 6-way hyd blade, log splitter
NI 212 flail spreader, w/hyd endgate
18 4x34 duals
IH #15 rake
IH 540 plow 4x16"
IH 510 grain drill, 16x7, double disk openers, combination
JD 2510 Diesel tractor, new engine
John Blue - truck mtd dry fertilizer spreader Excellent Cond 8 ton
IH 303 Combine, both heads, cab, very good shape
NH 10 ft trailing fert. spreader, very good cond
NI 224 Manure Spreader, hyd. endgate w/cyl
IH 990 Mower Condstroner 9' good, double rubber rolls
IH 440 baler w/thrower, nice, hyd. bale tension
John Deere #50 tractor w/mtd picker, power steering
IH 449 4R planter - nice
MF 4R planter - 50 acres $1500
IH 550 plow 5x16 (2)
IH 51 forage box w/roof; heavy gear
NH 69 baler
NH engine thrower
IH #70 pull type plow 3x16", nice
1250 hydrostatic Cub Cadet
IH 46 baler wdh thrower
1 440 IH combine w/4 row head excell cond.
IH 550 Forage harvester, cheap

WHITE FARM EQUIPMENT | WOODS Division of Hesston Corporation | SPERRY NEW HOLLAND

USED EQUIPMENT

TRACTORS

Oliver 1750
Oliver 1755
Long 350

HAYTOOLS

NH 268 Baler w/Thrower
NH 269 Baler w/Thrower
NH 68 Baler
Oliver 620 Baler w/Thrower
NH 461 Haybine
NH 469 Haybine
Gehl 880 Mower Conditioner
NH 55 Rake

FORAGE TOOLS

NH Super 717 w/1-Row
NH 707 3 pt. Harvester w/1-Row
IHC 16 w/1-Row & Pickup
Kools KB 60 Blower
JD 15A Crop Chopper
NH 36 Crop Chopper
NH No. 8 Forage Box w/Roof

SPREADERS

NI 212 Spreader
NH 510 Spreader
NH 367 Tank Spreader, LH

TILLAGE - PLANTING

White 5400 Planter
JD 1240 4-Row w/Monitor
Brillion 14' Transport Harrow
IHC 550 5-16 Plow

CORNPICKERS

IHC 2 MH Cornpicker

SKID LOADERS

NH L35

COMPACT TRACTORS

Kubota B6000 E w/Woods RM 59 Mower
Farmall Cub Lo-Boy

NEW EQUIPMENT IN STOCK

WHITE 2-55 Tractor
WHITE 2-65, 2&4 Wheel Drive
WHITE 2-75 Tractor
WHITE 2-85 Tractor
WHITE 2-88 Tractor
WHITE 2-105 Tractor
WHITE 2-110 Tractor
WHITE 2-135 Tractor
WHITE 543, 4 & 6R Planter, No Till
WHITE 5100, 4 & 6R Planter, No Till
WHITE 254 10' 4" Disc
WHITE 348 SAR Plow
WHITE 508 SAR Plow
WHITE 466 Chisel Plow
WHITE 285 Field Cultivator
NH L425 Loader

NH 707, 718, 782, 892 Harvesters
NH 310, 311 & 315 Balers
NH 847 Round Baler
NH 80 Bale Mover
NH 488, 489 & 1495 Haybines
NH 256 & 258 Rakes
NH 38 Crop Chopper
NH 28 & 30 Blowers
NH No. 8 Forage Box
NH 513, 519, 679 Spreaders
NH 363 Tank Spreader
NH TR75 Combine
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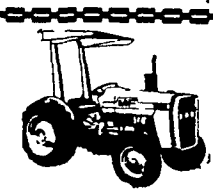

MF Massey Ferguson

TRACTORS & EQUIPMENT

IH 184 Tractor w/Mower & Frt. Blade
IH 284 Tractor w/Mower
IH Farmall Super H Tractor
Ford Loader for Ford 2000, 3000 and Any to 8N
AC D17 Dsl. Tractor
MF 50A Tractor, Loader, Backhoe
MF 275 Tractor
MF 3165 Tractor w/Loader & Cab
MF 40 Dsl. Tractor and Loader
NH 489 Haybine
NH 892 Fg. Harvester
NH 718 Harvester w/822 Head & Pickup
NH 36 Crop Chopper
NI Cut/ditioner
IH 440 Baler
NH 270 Baler w/thrower
NH 269 Baler w/thrower
NH 1010 Bale Wagon
NH 510 Manure Spreader
NI 213 Manure Spreader
AC 516 Plow
NH 451 Mower
IH Rake

NEW M.F. EQUIPMENT

MF 520 disc harrow
MF 275 Tractor
MF 285 Tractor
MF 245 Tractor
MF 265 Tractor
MF 210 4 Tractor
MF 1010 Tractor
MF 40B w/Cab
MF 40B w/Cab
MF 20 Turf Tractor
MF 124 Baler
MF 34A Loader
MF 34A Loader
MF 32 A Loader
(2) MF 216 Loader
MF 640 Corn Planter
MF #43 2B Plow
MF 820 Disc Harrow
(2) MF 320 Disc Harrows
MF 226 Scraper Blade
MF 227 Scraper Blade
MF 124 Baler w/Thrower
MF 218 3 pt. Rotary Cutter

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New Artsway Forage Box w/3 Beater, 2 Roof & 10 Ton Running Gear $5,195	New 8C Hydra-Mac Skid Steer Loader w/2 Buckets $4,995
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★ **BEHLEN CORN CRIBS** ★
EXL-15 Corn Crib (1 SOLD!) $1,120
FXL-15 Corn Crib (961 Bu.) ..... (1 Left) $860

USED HAY EQUIPMENT
2- PT-10 Hesston Haybines
2- 990 Int. Haybines
1 - 1209 JD Haybine
1 - 461 N.H. Haybine
1 - 279 - 9 ft. N.I. Cut/ditioner
1 - Vicon (5 Wheel) Wheel Rake
1 - 268 N.H. Baler w/Thrower
1 - #37 Int. Baler w/Thrower
1- 8x16 Oak Hay Wagon

USED FORAGE
2 - 38 J.D. Harvesters w/Corn &Pickup Head
1 - 16 I.H. Harvester w/1 Row Head
1 - N.H. #25 Forage Blower
1 - N.H. #27 Forage Blower

TILLAGE
IH 710 (18") Auto. 5 Bottom Plow
11' J.D. KBA Disc Harrow
10' Ford Disc Harrow

USED CORN PICKERS
N I. 323 Corn Picker
N.I. 324 (2 Row Wide) Picker w/12 Roll Bed
N.I. 319 & 322 Mounted Picker

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Gleaner FKS 2 Hyd Combine w/13 ft Header
Gleaner KKS Combine w/10 ft HDR & 238 Corn Head
Gleaner C Combine w/440 Corn Head
IH 315 Combine w/13' HDR & 2 Row Corn Head
MH 82 SP Combine w/12 ft. HDR
2- MF QT24 Corn Heads (2 Row)

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(Will Put Together Any Combination)
1 - 702 Diesel Uni Tractor
2 - 702 Gas Uni Tractors
1 - 706D (Diesel) Uni Tractor
1 - 702 Gas Uni Tractor (No Cab)
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1 - 770 Ear Corn Apt.
1 - 710 Uni Combine
1 - 711 Uni Grain Head
1 - 767 Uni Super Chopper
1 - 738 (4 Row Narrow) Corn Head
1 - 844N Corn Head
2 - 766 Pickups
1 - 723 (2 Row) Head
1 - 729 Sheller

USED TRACTORS
A.C. 7020 P.S. w/Cab & Air & Wgts
A.C. 7000 w/Cab & Air & Rear Wgts.
A.C. 185 w/Wgts
A.C. 180 w/Wgts
A.C. 5050 (300 Hr)

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A.C. 6080 w/Wgts.
A C 6060 w/Wgts

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1974 DEUTZ D100 06 TRACTOR

105 hp, reconditioned, 2400 hrs. on meter, rear tires 18.4x38, 70% tread. New front tires, independent PTO, 540/1000, synchro-mesh trans., 16 speeds forward

PRICE... $11,000

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- 10% Parts Discount
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On All Deutz Tractors In-Shop Work Scheduled For Before Jan. 31, 1983.

Be prepared for less - have your tractor repaired now so it doesn't go kaput next summer.

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MADE FOR EACH OTHER

- Repower your skid-steer loader with a DEUTZ F2L-511 diesel, 31 Hp @ 2500 RPM
- Next time your gas powered loader engine breaks down, get a Deutz repower job done by us. Costs much less than new diesel loaders, plus quicker tax write-off too.
- This engine is the diesel option used in most of the major brand skid loaders.
- Most hydrostatic drive and some belt drive loaders can be economically repowered.

SPECIAL PRICE
On Spec. No. D0251-031101 Engines
$2400.00 Limited Time Offer
(Regular Price about $3385.00 Comparably Equipped)
Call Harold Stauffer for Details

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A. Bending shapes to 4 ft. long. Precision bend and angle.
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½ hp. thru 10 hp. 1 ph.
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The Price Is Right!!

Brillion

NEW BRILLION MODEL CPP-10 CHISEL PLOW

Category II 3 pt. Hookup, 10 ft. with 10 32" Shanks, w/Twisted Shovels, Ga. Wheel Kit... Special ~~$1975~~

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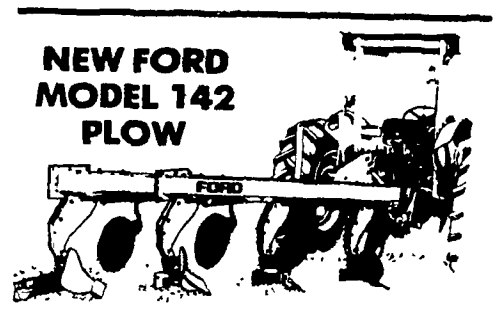
NEW FORD MODEL 142 PLOW



3/16" 3 pt. Mtd. Hitch, Category II Pins, 30" High Pivot Spring Trip Beams, 15" Ga. Wheel, with 18" Spring, Mtd. Coulters & Cover Boards

~~$1445~~ REDUCED TO **$1,295**

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TRACTORS:
IH 574 D Row crop - $8,500
IH 574 Gas, Utility
IH 1566 D., Cab & Air, 30.5x32 tires, new TA, Real Nice - $18,500
JD 4520, 20.8x38 Radials, No Cab - $12,500
606 Diesel Utility, 3 pt. - $4,900
IH 560 Gas, 400 Gas
IH 350 Farmall, PS
IH 460D, Utility - $1,800 as is
IH 544 Gas w/2000 Loader - $6,500
(2) Farmall M
MF TO-30 w/Turf Tires
MF TO-30 w/Ag Tires
Leyland 154 Gas w/Turf Tires

TILLAGE:
JD TO 310, 32 Disk, Real Nice
JD 111 10 ft. Disk Harrow, Like New
IH 470 Disc Harrow, 15' Folding, 7½" Spacing
IH 760 14' Offset Disc
Bush Hog 18' Folding Disc
Pittsburg 12' Disc
IH 370, 350, 37, 35 In Various Sizes
Cub 2-Way Plow
Oliver 4-Bot. Semi-Mtd. Plow
IH 531 3 pt. 3 Bot. Plow
IH 550 5-Bot. 16" Semi Mtd. Plow
MF 3 pt. Mtd., 3 Bot. Auto Reset Plow
Dunham 8 Shank 3 pt. Chisel

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(2) IH 56 4-Row Planters 4 & 6 Row Cyclos, Field Ready!
IH 4-Row Front Mtd. Cultivator-Late Model
JD FBB 17x7 Comb. Single Disc, Good Shape!
JD 3 pt. 4-Row Wide Cultivator
JD FBB 17x7 DD
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IH No. 10 16x7 Single Disc, Comb., Hyd. Lift
IH No. 10 16x7 Single Disc, Comb.
Oliver 24x6 Combination Drill
MF 13x7 Comb. Drill
Ontario 16x7DD Plain, Late Model
IH 510 18x7 DD, Plain Drill

MATERIALS HANDLING:
IH 1850 Loader
Century 300 Gal. Sprayer
Hansen 300 Gal. Sprayer, 42 Ft. Booms
157 Hawk Bilt Spreader - $995
Int. 550 Spreader w/End Gate
Int. 540 w/End Gate - Was $1995 Now $1395

COMBINES:
915 Combine, Low Hours, Like New
844 Cornhead, Like New
810 13' Cutter Bar
MF 410 Gas, w/34 Cornhead & 13' Platform
KKS Gleaner, 10' Platform, 2 Row Corn head, like new
FKS Gleaner Diesel 4 Row Wide, 12' Platform
Waiver of Finance Til 9/1/83
IH 315 Hydro (For Parts)
IH 403 w. 4-Row Wide Head & 12 ft. Grain Platform
IH 315, 2-Row Wide Head
IH 205 w/227 Head
IH 203 w/2 Row Head
IH 227 Cornhead, fits 315, 205 or 203
Straw Chopper for Gleaner M
Set of Tires & Rims for 1420 Combine - 23x134 Rice tires

HAY & FORAGE EQUIPMENT:
MC 60 2-Row Shredder, Like New
IH 990 Mower Conditioner, 9', Steel Rolls, Very Nice Cond.
LAMCO Forage Wagon
#5 Flail Chopper, Real Nice!
#8 Flail Chopper, Like New
33 NH Flail Chopper
JD 115 Forage Wagon
Gehl FBB 88 Blower
Gehl FBB 99 Blower
Badger TA-54 Blower, Like New
38 JD Chopper
550 IH Chopper
1014 Hesston Mower Cond.
420T H SOLD n S.P.
NH 479 Haybine
NH 280 SOLD ler with Thrower - Like New!
JD 894 Rake
IH 430 Baler w/Thrower

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Used CP Model 250 Rotary Vane Air Compressor w/IH 282 Diesel Engine Mounted on CO 1600 Int. Truck - $3900

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2-new 605H balers SOLD
3-used 504F balers
1-used 605F baler
1-demo 504 Super G
2-new R23B twin rakes (Special)
1-8' heavy duty blade
1-7'6" disc mower-conditioner
2-F100 bale feeders and trailer
1-#340 irrigation traveler and dual hose reel

TRACTORS & SKID LOADERS
1-new Agri Power 9000, 113 hp, $16,700
1-new Agri Power 4000, 48 hp, $7000
1-new Lahman 30 hp, 2 buckets, $10,000

VICON EQUIPMENT
2-8 wheel V rakes, new and used
2-6 wheel rakes, new and used
2-5 wheel rakes, new
1-2400 lb. spreader
3-1900 lb. spreaders
2-1400 lb. spreaders
2-1100 lb. spreaders
2-600 lb. spreaders
2-8' disc mower, new and demo
2-8' mower-cond., new and demo
1 ea.-10' and 15' power harrows
1-RP 1200 round baler, demo
1-RP 1500 round baler, demo

MISC. EQUIPMENT
2-Sunmaster 60" rotary mowers, new
2-36" log splitters
1-Woods 10' rotary mower, used
1-Hesston 10' hydro swing, used
Zimmerman Wagons

"QUALITY LATE MODEL FARM EQUIPMENT"

COMBINES

1979 JD 4400 Diesel, cab and air, 700 hrs., like new
1975 JD 6600 Dsl., Cab, AC, Very Good, Choice of Heads
1975 JD 3300 Dsl., Cab, Air, Very Good, Choice of Platforms
JD 45 Square Back w/Cab & Grain Platform & 2 Row C.H.
1973 JD 4400 Dsl. Cab & Air Choice of Heads
MF 510 Dsl. w/cab, Very Good, Choice of Heads
MF 35 w/8 ft. platform, Sharp.
IH 82 Pull Type w/ PU Reel
Ford 620 w/Grain Platform, Pickup Reel, Used Very Little

GOOD SELECTION OF GRAIN PLATFORMS AND CORN HEADS TO FIT MOST COMBINES

TRACTORS

JD 4430 Dsl. Cab & Air, 2200 Hrs.
JD 4020 Dsl. side console, cab a SOLD
JD 4620 Dsl. w/cab 2900 hrs.
JD 4020 Dsl. WF w/dual hydraulics
JD 4020 D WF & Power Shift
JD 4010 Dsl., Very Good
JD 3020 D WF, Very Good
JD 3020 Dsl. WF Side Console, Very Good
JD 2940 900 hrs. Like New
JD 2640 Dsl. Fully Equipped
JD 2520 Dsl. WFE
IH 1466 Dsl. WF Black Stripe 1 SOLD Hrs., Cab Air Cond. 20.8x38 Tires, Dual PTO, Sharp!
IH 1066 Dsl. w/Cab & Air
IH 1456 Dsl. WF
IH 1206 Dsl. w/Cab
IH 766 D WF, Ca SOLD
IH 656 Dsl. Hydro
Oliver 1850 Dsl. WF
Oliver 1855 Dsl. w/ SOLD
Ford 4000 8 Speed
Ford 8600 Dsl. WF 20x38 Rubber
Ford 5000 Dsl. 8 Speed w/all Weather Cab
Case 1070 Dsl. Cab and Air 930 Hrs.
Case 730 Gas WF
AC 180D, WFE
AC 200 Dsl. WF & Cab
AC 220 Dsl. WF & Cab
AC 7000 Diesel w/Cab & Air

DISCS

AC 16' Wing Fold
JD 11'2" & 14' AW Disc
JD BWA 12'6"
JD 18' BW Wing Fold
Sunflower 13' Hyd. center fold, very good
JD 11' RWA Transport
JD BWF 16' to 19' wing Rock-Flex
IH 350 12'

HEAVY DUTY DISCS

IHC 760 12' Offset, excellent
JD 1630 12' very good cond.
JD 4000 Double Offset 12' 8"
Bush Hog 1437 Plowing Disc 11' 4"

GRINDER-MIXER

Gehl 115
Gehl 95, Like New
John Deere 700

CORN PLANTERS

JD 7000 Consv. 6R dry fert., auger fill, insect., pop. mon.
JD 7000 min-till 6 R dry Fert., insect., monitor
JD 1240 4R plate and plateless, insect, runner and disc opener w/dry or liquid fert.
JD 1250 6R plateless, insect. w/wo fert.
IH 56 4R dry fert., insect., excellent
JD 7000 consv. 4R, dry fert., monitor, insect.
JD 7000 4R wide & narrow, dry and liquid fert., insect., and monitor.
IH 400 4R hyd. drive, dry fert., insect.
JD 246 2R w/insect.
JD 1440 4R no-till plateless, liquid or dry fert. and insect.

CORN HEADS

MF 24, 44
AC F430
AC KF330, A330
JD 453 & 454 Row Crop Hds.
JD 243, 244, 343, 443, 444, 643
IHC 843

BALERS

JD 346 Twine w/Thrower
NH 278 w/Thrower, Like New
NH 268 w/Thrower
IH 2400 Round Baler, Like New
JD 336 Twine, Like New
JD 336 Wire

PLOWS -SEMI-MOUNTED

JD 1450 5x16, 4x18, 5x18
JD F145 4 & 5x16
IH 550 5x16 & 5x16 Slat Btm., Like New
IH 510 4x16
IH 720 Toggle 5x20, Like New
IH 710 6x16 on Land Hitch

PLOWS -AUTOMATIC

IH 710 & 720 5x16 SP Reset
IH 710 6x16 SP Reset
IH 710 5x18 SP Reset
Oliver 6x16
JD 2500 6x18 SP Reset
JD 2500 5x18 on Land Hitch
IH 710 7x18 on Land Hitch SP Reset
IH 700 6x16 SP Reset.
IH 6 Base 735 Variable Width SP Reset

MISCELLANEOUS EQUIPMENT

IH 510 Grain Dri SOLD rt. & Grass Attch. 16x7 Very Nice
JD 8250 Grain Drill, 21 Openers, Fert. and Grass Seed
JD 1207 & 1209 Mower Conditioners, like new
IHC 12' Pull Type Chisel Plow
Brillion Alfalfa Seeder, 8'
IH Field Cultivator 12'
NH 488 Haybine, like new
NH 479 Haybines
NH 6 Ton Wagon Gears w/Adj. Hitch $575 1 Only
JD 146 Loader, Indep. Control Valves
JD 894 Rake, Rubber Mtd. Teeth
IH 18.38 & 20.38 Rr. Axle Duals
Grim Super 16 Hay Tedder
Neimeyer Power Harrow
Cabs for JD Tractors 3010 thru 4320
JD 12' Roller Harrow
IH #50 Stalk Shredder
JD 300 Husker w/2 or 3R Head, Very Good
NI 319 2 Row Mtd. w/12 Roll Husking Bed, Very Good
Gehl 72 Flail Chopper, Very Good
Nicholson Hay Tedder
Field Cultivator, Hydraulic Fold 18 ft.
NI Picker Sheller 2 Row Wide and Narrow

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FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT

Erb & Henry's value harvest

★ FAHR HAY TEDDERS ★

NEW RHINO 131 12' 11" FLEXIBLE DISK HARROW
24" smooth blades ¼" thick, 9½" spacing, new dual tires & tubes, furrow filler & set up, list $8257 ..... SALE $ 7,000

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42' w/PTO drive ..... SALE $ 2,550

FIDELITY 35 KW ALTERNATOR
with trailer and PTO, list $4295 ..... SALE $ 3,550

UEBLER 790 ELECTRIC FORAGE FEEDER
with batteries, list $3860 ..... SALE $ 3,200

VICON 620 HAY RAKE
4 Wheel, 3 Pt., list $1100 ..... Was $900 SALE $ 650

VICON H820 HAY RAKE
5 Wheel, 3 Pt., list $1375 ..... Was $1,000 SALE $ 850

STARLINE 930 ROTO-SPREADER, one left ..... At Old Price

- **John Blue Sprayers In Stock!**
- **Farm Bilt Bale Wagons In Stock!**
- **Athens M[SOLD]6 Double Offset [SOLD] In Stock!**

COMBINES!

- ★ IH 1460 Axial Flow Combine In Stock, DEMO - Special Allowance Available
- ★ IH 1420 Combine - In Stock
- ★ 963, 944, 943 Heads In Stock!
- ★ 820 15' Floating Cutter Bars, DEMO - Special Allowance Available
- ★ 810 15' Cutter Bar (Old Price!)
- We Specialize In IH Combine Parts and Service

ASK ABOUT IH RED EDGE
"PERFORMANCE SAVINGS"
NEW 30 and 50 SERIES TRACTORS

Best Cash Prices Ever On All Equipment Now Thru Dec. 31st

- ★ **IH 3688 - Demonstrator - Extra Special Price!**
- ★ **IH 5288 - Demonstrator - Extra Special Price!**
- ★ **IH 6388 - 4 Wheel Drive - Buy A Real 4WD At The Same Price As An Add-On 4WD!**

INTERNATIONAL® AGRICULTURAL EQUIPMENT

Ask About *Cash Rebates*

On Loaders, Tillage, Hay & Other Equipment

IH 1250 GRINDER MIXER, ... *Old Price*

IH 1350 GRINDER MIXER ..... *Old Price*

DEMO IH 501 DISK HARROW - 12'5"
26" blades ¼" thick, dual wheels w/new tires, furrow filler w/blade, hyd cyl hoses & fittings, set up, list $8031 ..... Was $6,225 SALE $ 5,925

IH 315 20' PACKER MULCHER HYD. FOLDING
Hyd. transport cyl., front scrapers, leveling bar, A&H, list $9312 Was $7,900 SALE $ 7,500

IH 415 PACKER MULCHER,
10'2 ..... Old Price

IH 482 CUB CADET 11 HP
4 Speed, single cyl., Briggs & Stratton, hand lift, 38" mower FREE SALE $ 2,495

IH 5288 TRACTOR,
Demonstrator ..... Extra Special Price!

IH 1086 Rental
Low Hours ..... Time To Sell!

IH 4130 Gas Skid Loader, Demo. ..... *Call For Price!*

NEW! New IH 496 CUSHION GANG FLEX WING DISC HARROW w/EARTH METAL DISCS NEW!
- **22 FT. DEMO IN STOCK - ONE ONLY - CALL FOR PRICE**
- **19 Ft. 1 [SOLD] Also In Stock!**

- **IH 3 pt. 181 Rotary Hoe In Stock!**
- **IH 4 & 6 Row 183 Cultivators In Stock!**

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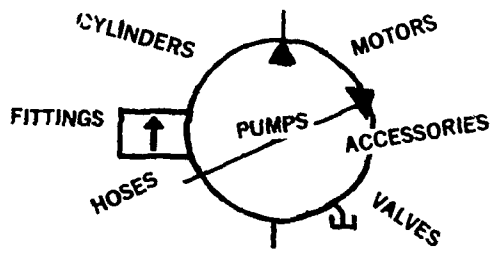

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GUARANTEED QUALITY USED TRACTORS

JD 4430 cab & air, quad range, 1976 model, sharp
IH 986 1979 model, cab & air, red seat, digital read out, stereo, 1127 hrs, very sharp
IH 1466 red cab and air, new TA
IH 856 D, 1971 model, wide front, 3 pt hitch, 38" rubber, low hr tractor, clean
IH 706 German diesel w/late 56 series shift, 38" rubber, wide front, 3 pt
IH 1456 w/20 8x38 rubber, good tractor
JD 4320, roll guard, 400 hrs on engine overhaul
IH 1206 turbo diesel, fully equipped
AC 200 w/yr round cab, dual PTO & hydraulics 18 4-38 rubber, 1700 hrs, sharp, local tractor
JD 5020 with factory duals diff lock dual hydraulics Real nice tractor
IH 574 diesel, 700 hrs, w/2250 Mount o matic loader w/quick tach buckets, exc cond local tractor
JD 2840 D fully equ [SOLD] very sharp
JD 4320 w/factory cab, 38" rubber fully equipped
IH 966 fully equipped, sharp
IH 856D w/cab, fully equipped
JD 4010 Diesel, wide front
JD 4010 Diesel, wide front dual hydraulics 80% rubber
JD 4020 Diesel, power shift 38" rubber, clean
Farmall MTA
IH 706 gas w/3 pt hitch
MF 85 Diesel, good rubber
JD 620 gas tractor
Case 430 diesel
IH & JD cabs (used)

FALL CORN EQUIPMENT

IH 715 hydro w/4 row narrow and 13' grain head
IH 403 combine w/cab, 3R wide 13 grain head, $3750
NI 702 power unit w/heavy rear axle
NI 323 1 rw picker, has done very little work

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8 KW 2 bearing generators @ $775
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NEW TILLAGE
Glencoe SS 9 Soil Saver $5900
Amco 19' Flex Disc
White 271 23' Disc
13' 245 Bush Hog Offset
26" Disc $7900
14' 1439 Bush Hog Disc
508 SAR 4X18 Plow

NEW EQUIPMENT
NI 802 Uni w/Harvester
NI 717 Combine

USED TRACTORS
JD 2510 Gas
White 2-135, 450 hrs.
IH 350
Oliver 1600
Ford 8N
Ford 881

(3) Used Hesston 4800 Big Square Balers (1 like new)

USED HARVESTERS
MF 510 Dsl. Combine w/13' Soybean Head
Fox Super D2R Head & Pickup
Fox 3310
Fox 3000
Fox 299 80" Flail Head
Field Queen Side Dump w/Det. engine, 3R Head & Pickup
JD 3800
Gehl 600
NH 890, Like New

USED EQUIPMENT
NI 710 Combine
NI 725 3R Head
Brady 12' Shredder
IH 27 10' Disc
Arps 70" hvy duty hyd Angle Blade
Lely Double Wheel Rake 18 ft
JD 1240 Planter
IH 400 4R Planter
NH 26 Blower
Farmhand Recutter Blower
NH 469 Haybine
Hesston 1014, 12 Ft. Hydro Swing Windrower
Bush Hog 24' Soil Finisher like new
Glencoe 13 Shank Soil Saver
NH 442 Disc Mower
Woods 20' Bat Wing
NI Side Dump Wagon
Dion Fg. Wagon 3 btr. & roof
IH 51 wagon, 3 btr. & roof
NI 270 Cut Ditioner

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Cochranville, Pa.
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FARM EQUIPMENT FARM EQUIPMENT

USED FARM EQUIPMENT

IH 21x7" soybean special drill w/double disc openers, dual rib press wheels w/depth control, John Blue pump, rear spray tips for herbicide spraying, $4,000

IH 400 Cyclo 4x36" no-till planter w/liquid fertilizer tanks, John Blue pumps for fertilizer and herbicides, Gandy insecticide boxes, $2,000

2 FMC model 5 2 row sweet corn harvesters with a lot of spare parts

100' Badger 12" auger feeder w/heavy duty drive, $500.

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301-272-2620 night

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JD 4030 Tractor
JD 4020 Tractor P.S. W.F.
JD 4020 Tractor WF
JD 4020 Side Console
JD 4010 Tractor propane
JD 3020 Gas Tractor
JD 2640 Tractor w/145 Loader
JD 850 Tractor
JD MT Tractor w/plow, Cultv. and Mower
JD 60 Tractor
JD 60 Tractor
JD A Tractor
Farmall M Tractor
Farmall H Tractor
IHC M Tractor
IHC Super M Tractor
Ford 9N
Case 530 Backhoe
JD 170 Skid Steer Loader
JD 1209 Mower Conditioner
JD 336 Baler w/ejector
JD 24T Baler w/ejector
JD 7000 6R Consv. Planter w/Liquid Fert.
JD 7000 4R Consv. Planter w/Dry Fert.
JD 1240 4R Plateless Corn Planter
JD 1440 No Till Corn Planter
NI 325 2R Corn Picker
JD 3800 Chopper w/2R corn head
JD 35 Chopper w/2R corn head
JD BWA Disc
JD B Plane 15 Disc Grain Drill
JD 8250 14x7 Grain Drill
JD FB Grain Drill
JD 8350 18x7 Grain Drill
JD 4400 Combine w/Platform & C.H.
JD 4400 Combine w/444 Corn Head & 13' Platform
JD 7720 Combine w/643 Corn Head & Platform
JD 7700 Combine
JD 7700 Combine w/643 Corn Head & Platform
JD 6600 Combine w/15' Platform
Gleaner A Combine
JD 244 Corn Head
JD 709 Rotary Mower
JD 110 Chuck Wagon
JD 115 Chuck Wagon
JD 125 Chuck Wagon
NI 279 Cut/ditioner
JD 2800 6B Plow
JD F145 4B 16" Plow
JD 145 6B Plow
JD 1450 5B Plow
IHC 5B Plow
IHC 6B Plow

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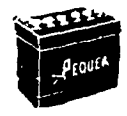
Ronks, PA 17572

- GENERATORS
- STARTERS
- ALTERNATORS



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JOHN DEERE *Nothing runs like a Deere*

THIS WEEK'S SPECIAL
(Demo)
BOBCAT 743 SKID STEER LOADER
CALL FOR PRICE

Used 6600 JD Combine w/13' Grain Head and 4 RN Corn Heads

USED TRACTORS
JD 2840
JD 50
Farmall A w/Cultv, Plow & Pulley

USED CORNPLANTERS
JD 1240
JD 1260 w/monitor
JD 246
JD 7000 4 R Wide

USED HAY & FORAGE EQUIPMENT
JD 6600 Combine w/Grain Platform & 4RN Corn Head
JD 3940 Harvester w/Electric Controls
Fox 2200 Fg. Harv. w/2 heads
NH 717 Harvester w/Corn & Hay Pickup
NH 3RN Corn Head
JD 244 Snapper Head for Fg. Harvester
JD 3RW Corn Head
NH 1002 Bale Wagon
JD 24T Baler
NH 271 & 269 Balers w/Throwers
JD 24T Baler
JD 14T w/Thrower
JD Hay Crimper
Hesston 1010 Swing Tongue.
OMC #216 9' Mower Cond.
JD 15A Chopper
NH #33 Crop Chopper
NH 27 Blower
NH 56 Rake
(2) JD 216 Fg. Wagons w/Tandem Axle

USED TILLAGE
IH 13' Transp. Disc
Pittsburgh 12' Transport Disc.
IH 4B Spring Reset Plow

MISCELLANEOUS
Oliver Fertilizer Spreader
15 HP 3 phase elec. Grain Dryer Motor
NH 352 Grinder Mixer

NEW TRACTORS
JD 4250 SQ MFD 15 SP, PS, Trans.
JD 2040
JD 2550
JD 2940 SG

NEW HAY & FORAGE EQUIPMENT
JD 5720 SP Forage Harvester
NH 718, 782, 892 Fg. Harvesters
JD 3940 & 3960 Fg. Harvester
JD 506 Gyamor Mower
JD 327, 337 & 347 Balers
NH 311 & 320 Balers
NH 847 & 851 Round Balers
NH 489, 495 & 1495 Haybines
JD 670 Rake
JD 660 Rake
NH #8 Fg. Wagon
JD 714 Fg. Wagon
H&S Fg. Wagon
H&S Bale Wagon

NEW PLANTERS
JD 7000 4 & 6 Row Consv.

NEW TILLAGE
JD 950 Roller Harrow
JD 2600 4B Plow
JD 1600 Chisel Plow
JD 115 & 215 Disc Harrows
JD 215 Dura-Cushion Disc Harrow
Haybuster No-Til Drill Also for Rent

NEW SKID STEER LOADERS
Bobcat 743 (Demo)
Bobcat 743

NEW SPREADERS
NH 519
Martin V Type & Scavenger
H&S #295 Spreaders

NEW DRILLS
JD 8200 18x7

NEW MISCELLANEOUS
JD 335 Skid Sprayer
Most Model JD Loaders & Blades

NH Finance Buyers Choice
* Cash Rebates
* No Interest Finance Available
No Finance Charge on new and used JD tractors until June 1, 1983
50 Series Tractors 3/1/83

Store Hours
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bobcat NEW HOLLAND

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You'll buy now from C&W because we've got your best deal.

120 16' forage box, roof, 10 ton running gear, new tires	$4,750
2400 Big roll baler	$8,995
550 manure spreader, 215 bu. capacity, hyd. endgate less cylinder	$3,550
56 blower	$2,350
730 adjustable width plow, toggle trip	$4,995
475 disc harrow 11'6", new tires	$3,995
4500 16'5" vibra shank field cultivator	$2,350
5500 chisel plow, hi-clear, 7 shank	$1,950
#80 snow thrower, dual augers	$1,650
1190 mower conditioner, 9'	$6,250
720 5-18 auto. reset plow	$7,125
800 4 row air planter w/fertilizer & chemical attachment	$6,450

One Only New IH Tractor Specials

We've Got Your Best Deal

3088 18.4x38 rear tires, 80 HP	$19,100
3288 Cab, 18.4x38 rear tires, 90 HP	$27,775
5088 cab & air	$33,750
584 D row crop	$13,150
884 D row crop.	Just arriving, call for price
3688 Western cab, aux. fuel tank, 110 HP	$30,950

SPECIAL
New Hanson Snowblower, 7' dual augers
$1,200

USED TRACTORS

Waiver of Finance Available

- JD 2520 diesel equipped w/Hinson cab 16.9x38 tires — $8,250
- IH Farmall 766 diesel, wide front, 3 pt. hitch — $13,750
- IH Farmall 806 diesel, cab, dual rear tires, wide front, 3 pt. hitch — $8,750
- IH 464, 3 pt. hitch, udal aux. valves, PS, used only 480 hours — $6,500
- Hyster 7500 lb. forklift dual solid drive wheels, 10' lift, PS — $8,000
- Farmall 1086 cab, air, 450 hours, 20.8x38 tires — $23,750
- Farmall 560 diesel — $3,950

USED EQUIPMENT

Waiver of Finance Available on Most Used Equipment

- IH 830 forage harvester w/2 row corn head — $6,500
- NH 880 harvester w/2 row corn head — $3,750
- IH #16 harvester w/1 row corn head, clean — $1,000
- JD #24T baler w/thrower — $1,200
- IH 37 baler w/thrower — $800
- IH 110 side mounted sickle bar mower — $675
- Athens 11'6" disk harrow, disked 10 acres — $2,150
- Walsh 500 gal. sprayer — $1,500
- NH 40' elevator w/gas engine — $1,275
- IH #93 combine w/10' platform — $3,000
- IH #71 flail mower — $500
- IH #1300 sickle bar mower
- Cherokee snowblower — $200
- McKee snowblower — $500
- Gehl harvester w/2 heads — $500
- IH #350 spring tooth harrow — $300

1 owner IH 4140 skid steer loader 4 cyl water cooled 40 HP engine, used 937 hours, equipped w 60" material bucket and 60" manure fork all gear drive

$9,750

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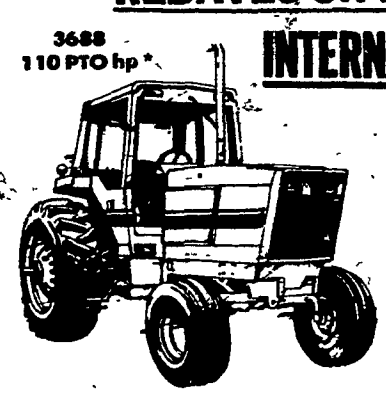
TIME IS RUNNING OUT TO TAKE CASH REBATES ON INT. TRACTORS & EQUIPMENT

INTERNATIONAL-THE NEW NO. 1

3688
110 PTO hp*



5088
135 PTO hp*

Looking for a clean Used Tractor? We have two
CREAM PUFFS!
Int. 1486 with 1200 Hrs.
Int. 1086 w/Cab, Air, 300 Hrs.

WAIVER OF FINANCE ON USED TRACTORS TIL MARCH 1, 1983

RENT ME or I'M FOR SALE

NH L445 LOADER, Gas or Diesel
Free Finance Til April 1, 1983 or Cash Rebate

REDUCED FOR QUICK SALE

MODEL 90 BALER HANDLER
Stack 'Em 3 High

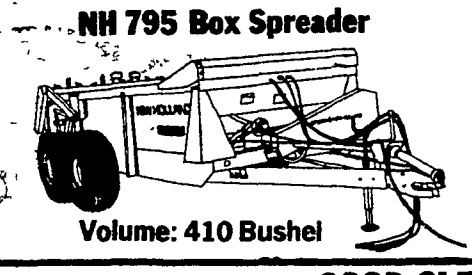
5% Interest on New Holland Machinery
—OR—
0% Financing (12 Monthly Payments)
—OR—
CASH REBATES Ranging Up To $6,000

STRONG-BOXES

New Addition To The N.H. Spreader Line

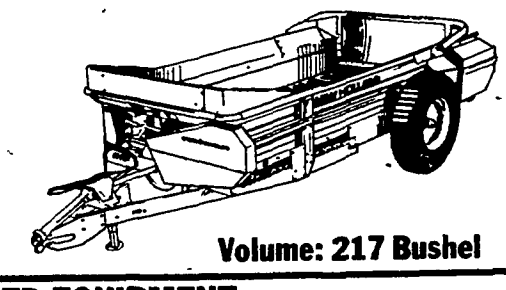
8 Models To Choose From

NH 795 Box Spreader



Volume: 410 Bushel

NH 519 Spreader



Volume: 217 Bushel

GOOD CLEAN USED EQUIPMENT

TRACTORS
IH 656D Tractor
Int. 1486 w/1200 Hrs.
Int. 1086 w/cab, air, 300 hrs.

HAY EQUIPMENT
IH 37 Baler w/Thwr.
NI Mower Conditioner
IH 430 Baler & Thrower
N.I. Mower Conditioner, Like New
J.D Hay Tedder
NH 68 Baler
NH 67 Baler
NH 65 Baler
NH Model 1495 Self Propelled Haybine
NH 53 Thrower to Fit 273, 275 Baler
Int. 1190 Mower Conditioner

PLANTERS
IH 400 Planter 4 Row
Tye No-Till Grain Drill w/Coulters & Press Wheels. Ready to go! Like New
Int. 800, 6 Row w/No Till, Fully Equipped

MISCELLANEOUS
Several Used Cub Cadets
NH 36 Crop Chopper
IH 5 Crop Chopper

TILLAGE EQUIPMENT
IH 531 Plow
IH 37 Disc Harrow 11 Ft. 6" Cut
Brillion 10 Ft. Packer
Brillion 16 Ft. Transport Harrow
Brillion 10 Ft. Transport Harrow
IH Little Genius 2 Bottom Plow
3 Pt. Disc Harrow
Athens 18 Ft. Disk Harrow
Glencoe 13 Tooth Chisel Plow

SPREADERS
NH 676 Spreader w/Fine Pan, New Chain Web
REPOSSED NH 800 15 Ton Spreaders w/Hyd Gate, Fine Pan, Top Beater, Excellent Cond
NI 214 w/Hyd Gate
JD 790 Tank Spreader
NH 345 Tank Spreader

- GLENCOE 13 SHANK CHISEL PLOW
- BUSH HOG 10 TOOTH SHANK CHISEL PLOW

HARVESTING EQUIPMENT
IH Model 234 Mtd Corn Picker
NH Self Propelled 818 Diesel Harvester
880 N3 Corn Head
IH 15 Hay Rake
Bush Hog 5-ft. Rotary Cutter Trailing
AC Model 630 6 Row Narrow Cornhead, Used 2 Seasons, Like New
Fox Model 2310 w/H.D. PTO Electric Power Sharpener, 2 Row New Style Corn Head & Pickup Attach Only Used ½ Season
Dion Forage Box Wagon w/10 Ton Gear Flotaton Tires & Adjustable Tongues. Ex Condition
NH Model 30 Blower, 1000 R P M
NH 717 Harvester, 2 Row Narrow Head
NH 717 N2 Narrow Row Corn Head

SKID LOADERS
NH L425 Skid Loader, Excellent Cond SAVE $$$
NH L325 Skid Loader
NH 779D Skid Loader
NH L35G Skid Loader

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- S Scranton Bale Feeders
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- Vermeer & Scranton Bale Movers
- Martin S SOLD preader
- (4) Vicon 4 Wheel 3 pt. Hitch Rakes
- (1) Vicon SOLD el Trailer Rake
- (3) Vicon 600 lb. Spreader
- (3) Vicon 950 lb. Spreader
- (2) Vicon 1900 lb. Fert. Spreader
- (1) Vicon 15' Power Harrow
- (1) Vicon RP1200 Round Baler
- (1) Vicon 8' Mower Conditioner
- Haybuster 1068 Semi-Mounted No-Till Drill

USED EQUIPMENT
- Int. 9' Haybine
- Vicon RP1200 Round Baler, Demo.
- Vicon 8' Mower Conditioner
- Vicon 10 ft. Power Harrow
- Brady Flail Shredder
- Martin 3300 gal. Liq. Spreader
- Hawk Bilt 257 Tank Spreader
- New Idea Manure Spreader
- Hesston 12' Hydro Swing Haybine

RED WING FARMS
R.D. #1, FLEETWOOD, PA. 19522
215-944-9583 215-944-0791

Happy Holiday
Hello! Thanks for your loyal patronage this entire year

MF Massey Ferguson

NEW EQUIPMENT IN STOCK
MF 540 diesel combine
MF 860 diesel combine, hydro
MF 1144 corn head
MF 1163 corn head
MF 13' table
MF 15' table w/floating cutter bar
MF 13' Ull reel
MF 15' Ull reel
MF 520 disk, 22" 12' scraper
Glencoe soil saver $4,950

USED EQUIPMENT
MF 235 diesel tractor
MF 165 diesel tractor
MF 760 combine 16' Corn & grain head
MF 510 diesel combine
MF 550 combine w/13' table & 43 corn head, 200 hrs.
Ford 9N gas tractor
MF 300 gas combine w/2 row corn head & 13' grain head
MF 24, 33, 43, 44 corn heads
Heavy duty front end loader for a Ford or Ferguson, excellent condition.

Renting skid steer loaders.

Radio Dispatched Service On All Makes Of Equipment

Large Inventory of New & Used Equipment

ABRACZINSKAS
Farm Equipment, Inc.
RD 1, Catawissa, PA.
717-356-2323
(south on Rt. 42)

MF
SPERRY NEW HOLLAND

USED EQUIPMENT

Tractors
AC WD
MF 285

Tillage
JD 4B Plow
Case 5B Auto Reset Plow
MF 66 3B Plow
Pittsburgh 8' Disc
3 Section Drag Harrow
16' Drag Harrow

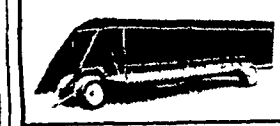
Hay Equipment
AC Forage Harvester
IHC Forage Harvester
(2) NH 717 Harvesters
NH #36 Crop Chopper
MF #35 Rake
Badger 14' Fg. Box

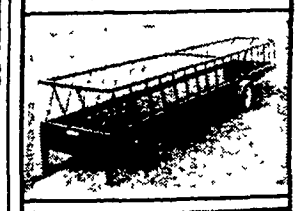
Combines
MF 205
NH 962 4 RW C.H.

Miscellaneous
NI 214 manure spreader
NH Super 717 Harvester w/2 heads
Gehl 2600 Skid Loader
NH L35 Skid Loader
IH 13 Disc Drill
Ontario Disc Drill
NH 513 Manure Spreader

MARLIN SCHREFFLER
Pitman, PA
717-648-1120

YEAR END SPECIALS





Gehl 120 grinder mixer, excellent
New 3 pt. blades, 6 and 7', special discount
JD 7' pusher blade
New 6' bucket to fit Swartz or Oliver manure loader
White 316 plow, sharp
McCurdy and Farmer Boy gravity bins in stock
12' Supreme silage conveyor, used 6 months
Round bale feeders w/floors
7' Woods rotary cutter
11' Chattanooga cultipacker
13' Brillion field cultivator
Pequea woodsaw in stock
Opel flail chopper
Hardy rotary mower
Sales and Service on farm tires

DJ Implements
Located in Reistville midway between Myerstown and Schaefferstown along Rt 501
717-949-3074

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

TRACTORS
Ford 4500 loader backhoe
Ford 8N loader backhoe
Ford 5600 low hrs.
Ford 5000 D Dual Power
Ford 4200 D SOS
Ford 4000 SU w/roll bar
Ford 3400 w/Loader
Ford 3000 G 8 Speed
Ford 2000 PS & Live PTO
Ford 800 PS w/Snow Plow & Cab
IH 666 D WFE
IH 504 G, 3 pt.
IH 454 Dsl.
IH M w/PS
IH Cub w/mower
AC 5040
AC 160D
AC D17G Ser. IV
AC B w/Equip.
AC G w/equip.
MF 235 G, PS
MF 135 G Live PTO
Ferguson 30 w/Loader
Oliver 77 w/hydraulics
Oliver 70 w/cultivators
Oliver 660 w/hydraulics
JD 3010 Diesel
JD 2640 WFE
JD 2510D
JD 2010 Gas
JD B w/cultivators
Satoh w/loader
Satoh w/Woods mower
MH Pony w/cults.

EQUIPMENT
NH 213 Spreader
Danhuser Post Hole Digger
Ford Plows, 1 to 5 Btms.
Ford Post Hole Digger
NH Flail Chopper
MF 33 Grain Drill
NH 477 Haybine

KELLER'S FARM MACHINERY, INC.
116 Richlandtown Pike
Quakertown, PA 18951
215-536-4046

RINGTOWN FARM EQUIPMENT

NEW EQUIPMENT
5088
3288 w/air
584 RC
284D
1420 combine
370 disc
401 harrow 12'
720 plow 4 btm.
2250 loader
45 vibre shank
4500 vibre shank
41 cultimulchers Dunham Lehr
40 cultimulchers Dunham Lehr
40 cultimulchers Dunham Lehr
1302 Holland trans-planter
Gyrostar, tedder and rake
M-5 Woods mower
Woods scraper blades
445 Utah potato harvester
Hesston 245

USED EQUIPMENT
NH 479 mower cond.
Farmall 656D
2 Super C's
IH 574
Super AV
IH potato planter
IH 455 corn planter
45 vibre shank
Haines bulk bodies
Mayrath auger 6"x27'
1500 Schwartz loader
Meyers 400 gal. spray
Troyer elevator
100" Howard rototiller
800 Workmaster loader
JD 2 row potato digger
Lockwood 2 rw. potato harvester
Owatona self-propelled windrower Model 25G, 10'
Owatona self-propelled windrower Model 30, 10', w/crimper rolls

USED EQUIPMENT
IH 3200A, Skid Steer Loader
NH Skid Steer Loader

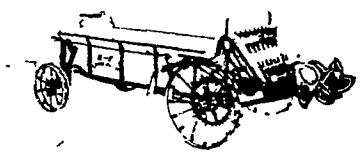
NEW EQUIPMENT
SPERRY NEW HOLLAND
310 baler
488 mower cond.
519 spreader
[illegible] disc mower
258 rake
256 rake
782 harvester

FALL SPECIALS
Hydro 84 Row Crop
720 5 btm. auto reset plow 18"
770 deep till disk 13'9" $6895
L445 NH Loader

RD 1, Ringtown, PA
717-889-3184
Your Full Service Dealer

New & Used Equip.
3F Oliver [SOLD] plow
Farmall 886 D w/ROPS, 460 hrs.
IH 990 mower conditioner
NH #461 mower conditioner
#50 IH stall [SOLD] der
Farmall 986 D w/cab, approx. 1275 hrs.
NI #323 cornpickers, new. Call for price.
JD model 105 combine w/4 row wide head, w/6 row narrow & w/13' grain head, nice.
IH 715 Hydro combine w/860 hours, real sharp

L.L. ECKROTH FARM EQUIPMENT, INC.
RD2, New Ringgold, PA
717-943-2367

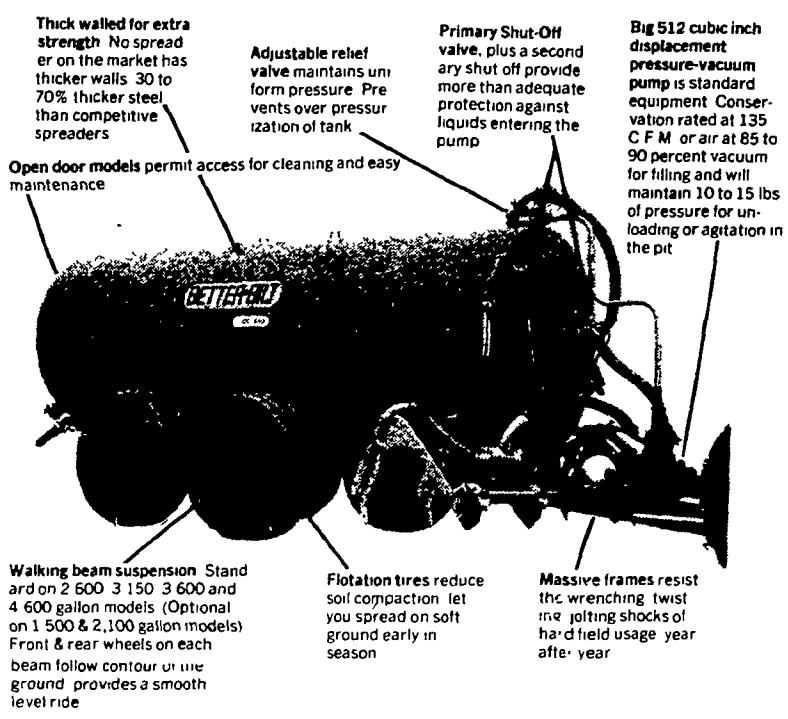


HORSE DRAWN SPREADER
Steel or Rubber Wheels
Wood Treated box
Roller Chains or Small Chains
Same Size As No. 10A
Sealed Bearings
Auto Steering Front Axle
JOHN R. MARTIN
Hanstown Road
RD 3 Ephrata, Pa. 17522

BRICKERVILLE EQUIPMENT

SALES * SERVICE * PARTS
537 E. 28th Div. Hwy. Lititz, PA 17543
717-626-6198

Outstanding Features


Thick walled for extra strength No spreader on the market has thicker walls 30 to 70% thicker steel than competitive spreaders
Adjustable relief valve maintains uniform pressure Prevents over pressurization of tank
Primary Shut-Off valve, plus a secondary shut off provide more than adequate protection against liquids entering the pump
Big 512 cubic inch displacement pressure-vacuum pump is standard equipment Conservation rated at 135 C F M or air at 85 to 90 percent vacuum for filling and will maintain 10 to 15 lbs of pressure for unloading or agitation in the pit
Open door models permit access for cleaning and easy maintenance
Walking beam suspension Standard on 2 600 3 150 3 600 and 4 600 gallon models (Optional on 1 500 & 2,100 gallon models) Front & rear wheels on each beam follow contour of the ground provides a smooth level ride
Flotation tires reduce soil compaction let you spread on soft ground early in season
Massive frames resist the wrenching twist the jolting shocks of hard field usage year after year

Sizes - 800 gal. thru 4600 gal.
Both vacuum & augermatic spreaders for truck mount or trailer type

SPECIAL
1 - USED BETTER BILT 2600 Gallon VACUUM SPREADER w/Tandem Axle and 4" Suction Hose, Plow Down Attach.

1 - Used 5½ ft. Pickup Head for JD 3940 Harvester, good condition.
One 7' Myers snowplow for Ford ½ ton pickup, good condition

CALL US FOR YOUR NEEDS OF

- Farrowing Crates
- Lagoon Pumps
- High Pressure Pumps

Umberger's Of Fontana

RD4, Lebanon, PA (Fontana) 717-867-5161 or 717-867-2613

50th Anniversary

DECEMBER 13th thru DECEMBER 18th

50 DOOR PRIZES
1st - New Chevy Chevette
2nd - Grand Father's Clock
Plus 48 Other Valuable Prizes

Come in and register at the store. No purchase necessary.

SPECIAL DEALS EVERY DAY Lots of Specials Throughout the store

HOURS:
Mon. Thru Friday
7:30 p.m. Till 9:00 p.m.
Sat. 7:30 a.m. Till 4:00 p.m.

FREE Anniversary Cake Chocolate Milk Coffee

OUR DUTCH AUCTION IS BACK!

Prices reduced on all items daily (except Sunday) until sold

NEW EQUIPMENT

ITEM	STARTING PRICE	DAILY REDUC.	PRICE ON 12/13
17'8" Bush Hog folding Transport disc 24" x ¼ blades	$10,700.00	$13.00	$9075.00
11 ft - 11 tooth 3 pt. 3 Bar 32" shank Brillion Chisel Plow	$2225 00	$ 3.00	$1862.00
STC - 16 Folding Wing 16 ft.Transport Brillion Field Harrow	$2595 00	$ 3.00	$2220.00
SFH - 113B Glenco 11' 3" Soil Finisher	$7100 00	$ 9.00	$5975.00
New Idea 402 - 5 bar rake w/rubber flex teeth and caster wheel	$2150 00	$ 3.00	$1775.00
SL4600 Gehl Skid Steer Loader 44 HP Diesel, Water cooled, w/60" manure fork, w/60" material bucket	$16,675 00	$22.00	$13,925.00
80" 6 ft 7" Pull Tye Drill w/acre meter, double disc openers, demonstrator	$7100 00	$10.00	$4950.00

USED EQUIPMENT

9 ft Pulvimulcher	$ 425 00	$ 1.00	$300.00
10 ft Power Harrow Roteria 3 pt	$1995 00	$ 3.00	$1620.00
10 ft 10 tooth 3 bar Bush Hog Chisel Plow w/guage wheel	$1595 00	$ 2.00	$1345.00
729A Uni Sheller	$3750 00	$ 5.00	$3125.00

USED EQUIPMENT

IH 706 Gas Tractor w/Fast Hitch
Gehl 95 Mixer
Gehl 120 Mixer
Gehl 115 Mixer
Gehl TR 3038 2RN Corn Head, (1 yr. old)
NI #213-215 3 btr. Spreader
NH 512 Spreader w/Hydraulic Gate
Bush Hog #207R 7' Pull Type Rotary Chopper
MC Direct Trail Flail Chopper
NH 6' Flail Chopper
AC Model A 12' Combine

Used Uni Equipment

701 Uni Tractor w/Cab, 720 Corn Head & 726 Husking Bed. 713S Flex Grain Platform, (2) 725 3RN Corn Heads, (1) 724 3RW Corn Head.

NEW EQUIPMENT

Hesston #1580 Tractor (130 h.p.) w/cab
Hesston #980 4 Wheel Tractor (90 h.p.) w/cab
Hesston 7600 SP Forage Harvester
Hesston 6550 Diesel SP 12' Windrower
Little Giant Model 21 34' and 38' Transport Elevator
Caldwell 7' & 8' 3 pt. Blades
NI 213-217 176 Bushel Manure Spreader
NI 214-217 206 Bushel Manure Spreader
NI 244 Manure Spreader
NI 245 Manure Spreader
Pequea #250 3 pt. Cord Saw
Wic #45 5 h.p. Hydrostatic Self Propelled Silage Cart
Wic 7 h.p. straw chopper
4 star 3 pt. Round Bale Spear
802 Uni w/power assist, 838 husking bed and 844 Narrow corn head

LANDIS BROS., INC

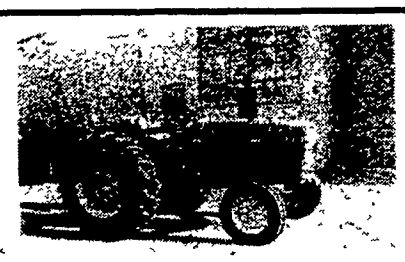
1305 Manheim Pike, Lancaster, PA 17601
Phone - 717-291-1046

JOHN DEERE DESIGN, DEPENDABILITY AND DEALERS MAKE THE DIFFERENCE

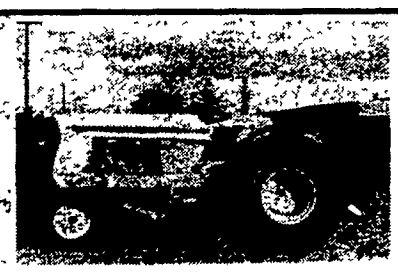
JOHN DEERE 5400 S-P FORAGE HARVESTER
Cab w/Air C & HTR
18.4-26-8P Drive Whls., 1100-16-6P Steering Whls.
Excellent Condition
Priced at $27,500
JDFP Financing Available
Waiver To Sept. 1-83 For Corn

JOHN DEERE 7700 COMBINE
DSL. w/Cab, w/14 Ft. Platform
Priced At $19,900
444 Corn Head
Priced At $3,950
JDFP Financing Available
Waiver To Sept. 1-83 For Corn

JOHN DEERE 2940 TRACTOR
w/MFWD - 300 Hours
Dual Hydraulic Outlets
Priced At $19,900
JDFP Financing Available
Waiver To June 1-83



JOHN DEERE 2240 TRACTOR
w/Hi/Lo Trans.
Low Hours
Priced At $12,500
JDFP Financing Available
Waiver To June 1-83



IHC CUB 185 LO-BOY TRACTOR
w/Mower
w/Sweepster Broom Attach
Priced At $2,950
JDFP Financing Available
Waiver To June 1-83

SALE -- RECONDITIONED USED EQUIPMENT PRICES REDUCED

PTO MANURE SPREADERS

Tag 339	NI 224 w/Endgt	Reduced $500 to $3295
Tag 327	NI 218 w/Endgt	Reduced $595 to $3000
Tag 309	NI 213 Sngl Btr	Reduced $300 to $1295
Tag 287	JD 40 w/Endgt	Reduced $100 to $1450
Tag 296	NH 365 Tank Type	Reduced $400 to $995

GROUND DRIVEN SPREADERS

Tag 328	NI 206 (hubs only)	Reduced $100 to $1100
Tag 299	NI 206 steel whls	Reduced $525 to $1250
Tag 283	NI 206 (hubs only) w/dgate	Reduced $400 to $1095
Tag 214	NI 206 stl whl AS-IS	Reduced $50 to $350
Tag 305	NI 10A stl whl AS-IS	Reduced $120 to $175

CORN PLANTERS - Subject to interest
Waiver to April 1, 1983, JDFP

Tag 165	JD 7000 4R Cons, dry fert. insect., monitor	Reduced $400 to $7550
Tag 141	JD 7000 4RW Reg., dry fert., insect., monitor	Reduced $800 to $4950
Tag 150	JD 7000 4RN Reg., dry fert., insect., mon., min till coulter att.	Reduced $100 to $5850
Tag 150	JD 1440 Zero Till 4R 80 plateless, dry fert. insect.	Reduced $145 to $2850
Tag 160	JD 1240 4R Plate type, dry fert., insect.	Reduced $300 to $1150
Tag 157	JD 1240 4R Plateless, dry fert., insect.	Reduced $900 to $1550
Tag 153	AC 500 4RW, dry fert., insect.	Reduced $700 to $750
Tag 164	AC 500 4R, fert., AS-IS	Reduced $345 to $250

NI 206 SPREADERS SPECIAL TERMS NOW BEING OFFERED WITH DOWN PAYMENT BALANCE CAN BE EXTENDED TO MARCH 1, 1983

NEW IDEA 95 BU. GROUND DRIVEN SPREADERS

206 New Idea Spreader Available With or Without Steel Wheels With or Without Endgate Att.

CHECK THESE SPECIALS CALL RIGHT AFTER 7 A.M. For Information & Price

NEW EQUIPMENT SPECIALS

- JD 2440 RU 28" whls. Hi/Lo
- JD 4240 quad w/sound body
- "40" Series close out specials. New Customer cash rebates and finance waiver until June 1, 1983 or cash in lieu of waiver.
- JD 327 Baler w/#30 ejector
- JD 337 Baler w/#30 ejector, JD waiver to May 1, 1983
- JD 7000 4&6 row planters
- JD money bonus & waiver to April 1, 1983
- JD 6620 side hill combine w/215 flex platform w/643 corn head
- JD 125 Dsl. skid steer loader
- JD 90 skid steer loader
- JD 6500 forage blower
- JD 465 flail spreader
- NI 325 2RN picker
- NI 323 1-row picker
- NI 272 7' cut/ditioner

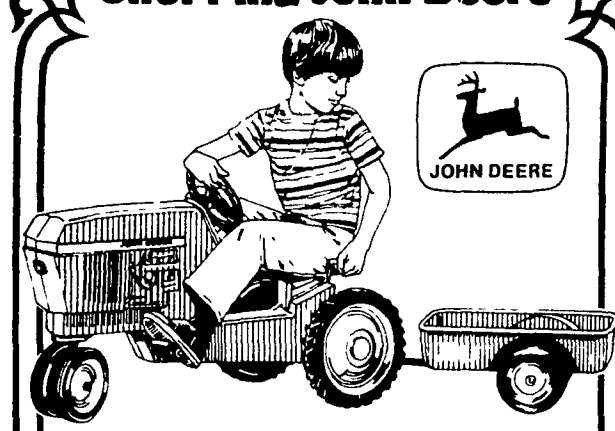
SAVE NOW, SAVE LATER

Buy a new John Deere snowmobile now* and you won't pay a finance charge until spring

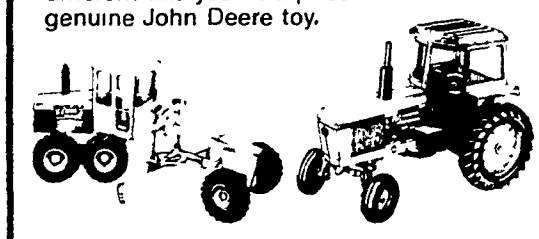
Its our way of introducing you to some of the best-designed sleds around Buy a new snowmobile with a normal downpayment and we won't ask you to pay any finance charges until March 1983 Save even more on a new machine during the Hit-the-Trail Sale Come in today for a test drive and great savings on 1983 Liquifire® Sportfire® Trailfire® LX Sprintfire™ and Snowfire™ Hurry the John Deere Hit-the-Trail Sale ends December thirty first

Subject to approval for John Deere financing

Christmas and Kids-- Two Very Good Reasons For Shopping John Deere



Toys toys . . toys We have a wide selection of the gifts kids want most for Christmas. Delight your youngster with a pedal-driven riding tractor and trailer. Or choose from Blueprint Replicas™ of popular John Deere equipment. Lawn and garden tractors, farm tractors, industrial tractors. Combines, skid-steer loaders, dealership trucks. For collectors, historical tractor sets are also available Give the children on your list something different this year Surprise them with a genuine John Deere toy.



CHECK OUR LARGE SELECTION AND LOW PRICES

LANDIS BROS., INC.

1305 Manheim Pike, Lancaster, PA 17601
Phone -717-291-1046

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

(Combines, Tractors and Equipment on our Lot.

(Combines) Used 1980 New Holland TR 70 w/cat engine, like new with grain and 6 row C.H. Excel; Used 1980 JD 8820 fully eq. w/843 corn head real nice. 1981 JD 6620 turbo Hydro, 200 hrs., like new. 1977 JD 4400 Dsl. CA real nice like new; JD 8820 fully eq. w/4 whl drive and dual wheels used 450 hrs. like new for $68,500. New JD 4420 fully equipt. 443 C.H. 1975 JD 6600D rotary screen, good cond. 1976 Int. 715D, w/air & 13 ft. grain, field ready, never used in corn, Gleaner N5 fully eq. w/15 ft. grain and 6-30 C.H. 1976 Gleaner FD w/air and both heads (1 local owner); 1976 Gleaner KKS cab & air w/grain $12,500, 1976 Int. 915 grain head $19,900, 1979 MF 550D, excel. w/grain and corn heads. 1975 MF 510 hydra. w/grain and corn. 1973 Int. 915 gas w/grain head $8750. MF 510D w/cab, Quick Tach grain for $6950.

1968 Gleaner CII diesel w/cab and 4 row C.H., JD 7700 D w/grain & corn head for $24,500, JD 6600 D w/air & 13 Ft. grain.

1969 JD 55 sq. back corn special w/cab and 2 heads; Int 715 gas w/cab, 810 grain Int. 810 13 ft. floating cutter bar.

Used JD 213 and 215 flex heads.

Late model Int. 303 w/cab, N.H. 985 w/cab and grain and 4 row 38" C.H. 1972 Gleaner F w/grain & C.H. NI 702D w/cab $6200. NI 702 w/729 A sheller.

TRACTORS & EQUIP. Farmall 1566 w/cab and duals, Used White 2-105 w/roll guard, Ford 4000D w/1400 hrs. excl.

New John Deeres 4040 w/Power Shift and R.G. for $23,950, New JD 4240 cab & air Q.R. for $30,000, (6) real nice balers, JD 336 w/thrower, NH 320 w/thrower, used 1 season. NH 315 w/thrower, NH 851 Round Baler (nice); JD 500 Round Baler; Hawk Built round baler.

Corn Heads JD 643, 444, 843, 343, 443, 435N, 313 for 45C, 334, 235, Massey Ferguson 1144 like new, 63, 43, 44, 24, 222, 422, Gleaner L438, F430, F438, K238, F335, F330, M430, K330, Int. 863, 864, 843, 743, 227, NI 4 row 40" heads, Case 4 row 40", MF 44 & 43 Lo Profile, Int. 6 row, 30" for 503, NH 4 row 38" C.H. New JD 444 $7350, New JD 643 $12,500, used White 706N C.H.

New Int. 5088 fully eq. new Farmall 1586 w/radial tires and triple outlet for $29,500, Farmall 706 gas, 806 diesel w/cab original-Nice. 1206 real nice, new JD 4440 C.A. Quad w/radial tires, used JD 4230 w/R.G. and creeper gear, 2640, 2630, 1966-4020, 3020D WF and Diff lock. We have 5 JD 4020 side console diesels. JD 2440 w/R.G. 2840 for $11,600, 1970 JD 5020, 4010D WF w/dual hydraulic, Ford TW20 w/cab w/220 hrs., damaged, give us an offer, 1972 JD 4020D, WF.

TRACTORS AND EQUIP. REC. THIS WEEK. JD 4640 power shift fully eq. w/300 hrs., like new for $33,800.; Farmall 1086 w/front wheel drive used 800 hrs., JD 4630 P.S. w/front wheel drive, Oliver 2255 w/cab, Case 1210, MF 202 Inc. w/loader, Farmall 826D nice original, New NI 324 picker w/super sheller list $15,390. Special $8,475. New NI 325 picker w/super sheller, new NI 404 wheel rake; NI 2100 (Demo) liquid manure spreader list $11,300 Special $6450. Farmall 706 w/310 German D w/cab, MF 1105 w/cab and air. Farmall 656 hydro D. w/cab, 400 w/P.S. and F.H. Farmall 1456 original; Farmall 806 gas (SOLD) Int. 544 utility hydro D w/2000 loader, JD 8630 fully eq. w/duals; JD 4020 D.W.F. Power Shift, JD 2520D, David Brown 885, MF 1135 w/R.G. and dual wheels, MF 285 D. Int. 656 utility Hydro D. D.B. 1200. NH 890 2 row snapper head. JD narrow 30" 2 row crop head, like new. Used N.H. 354 Grinder Mixer, like new.

NI 325 pickup w/12 roll bed used 4 yrs. Int. 510 18x7 drill.

TRACTORS 1977 JD 4230 cab, air, quad, real nice. JD 6030 C.A. Duals, real sharp; JD 6030 cab and duals, fair; JD 4320, JD 4010D, 1 owner original, Farmall used 986 cab and air, 1566 cab and air w/new T.A., Farmall 544 gas W.F. Farmall 706D WF & 3 pt.; NI 324 picker w/super sheller used 80 acres.

Int. 3588 - 2 + 2 w/dual wheels, used 530 hrs. like new for $29,500; JD 4020 W.F. power shift, good tires $7700; Case 1070 P.S. $6975; JD 4020D. W.F. D.L. Dual hydraulic & cab, JD4010 D. W.F. JD 4010 Tri D, Farmall 766, 706 w/310 German D. 1 owner original, real good. Oliver 1850D, Case 930 Standard, 460D w/F.H. AC 185D w/turbo nice. New Holland 770 w/2 row 30" C.H. NH 890 Harvester w/2 heads, (Summer Specials) New JD 4440 Sound guard body QR $34,800. Deutz 9006, Farmall 1086 cab needs repair come look and make offer.

CULTIVATORS - New Case 3 pt. 8 row Hydro fold. JD 4 row & JD 6 row rear, New Int. 2250 loader

CORN PICKERS - Used (2) N.I. 324 w/12 roll bed, (1) NI 325 N w/12 roll bed (325 N. w/sheller), NI 3 row 30" picker w/super sheller, New Idea shellers and Super shellers, N.I. 2 row 30" picker w/grinder. Int. 234 w/12 roll bed. NI 319 mtd. picker, JD 300 w/2 or 3 row C.H. Used NI 323, #10.

J.D. 7520 w/3 pt. & Dual Wheels. JD 4020 w/58 Loader, JD 4430 w/sound guard, cab and Q.R. for $15,500.00, JD 4320 w/cab.

Farmall - 1568 - V8 w/cab & air used 1000 hrs., 1566 w/cab, 1466 w/cab. 886 w/cab, 800 hrs., like new. 856D nice, Steiger Bearcat 4 whl. drive w/dual wheels and new motor in excell. cond.; Farmall 460 Gas w/F.H., Farmall 756 gas, Hi Crop 656 diesel, 756, Cub Cadets 1650, 1450, JD 210, 200, 112, Farmall cub w/mowers.

HARVESTERS. Used JD 3960 w/long tongue and elec controls real nice for $7250, N.H. 770 w/2 row, Used Int. 720 - 2 row, for $4650. NH Super 717 1 row, J.D. 38 Chopper w/2 row, Fox 2 row snapper head. NH 770 1 row snapper C.H. Gehl 600 w/2" 30" & pickup head.

Fox 2 row 30" Silage Head, JD 1 row snapper head for 38 & 3800.

ALLIS CHALMERS New 7010 - AC 200 w/factory cab, AC 185 w/R.G. w/600 hrs., 7080 w/cab & duals $18,800, 7040 w/cab, power shift like new, low hrs., 210 w/new 20.8x38 tires, AC 7000 P.S. w/R.G., 180D, D 5 gas; AC H3 Crawler w/blade and winch.

JOHN DEERE New JD 4440 cab, air, power shift, $35,900. New JD 4440 cab, air Quad, used JD 4430 - 4 post, power shift, used 4230 cab, air, QR, nice, 1975 - 4430 C.A. QR. sharp. 4030, 5020 tractor puller, JD 2020 w/loader, JD 4030 w/R.G. and Quad. JD 60 w/P.S. JD 630 (SOLD) w/3 pt., JD. A. JD 70 w/P.S. & 3 pt.

FARMALLS: 1586 w/cab, w/800 hrs., fully equip. w/dual wheels and dual PTO real nice, used 1086 w/cab, air, 1 owner-looks like new; used 686 Dsl. w/1600 hrs., 966 black stripe w/roll guard, 1066 red cab & air, Used 686 w/cab & air, 1206 w/cab, 806 w/3 pt. & 38" wheels, Farmall 656 Diesel & 656 gas, Farmall hydro 70 w/w.f. and 3 pt., 826 hydro D nice. 756 WF 3 pt. original, 656 Hydro D. WF 3 pt. original.

Int. W9 gas w/pulley.

New White 2-105 w/cab $22,850. 2255 w/V-8 cat and new over and under shift.

MASSEY FERGUSON - 2805 24 spd. w/duals real nice, 1130, MF 180D. 1971 MF 1100 w/cab real nice, MF 1130 for $6250 w/Super 90 diesel, MF 65 gas w/hydr. side mower.

(Case) New 2090 Cab & Air, power shift $23,750; Case 1410D, 1030D.

Oliver 1950T w/cab, 2050, 1855 w/20:8 tires 1800, 1850 w/cab, 1550 gas, Oliver 550 w/loader, Long 560D w/loader, Ford 6000 Commander, D, Ford 5000D real nice, Ford 3000D, 52 Ford 8N Original excell. MM Vista 1000 w/cab and loader, MM S670 diesel.

1970 JD 4020 side console w/dual hydraulic (local owner) JD 2510 gas (SOLD) w/48 loader, Long 350D w/mtd. broom; Int. 460 utility w/loader.

N.I. 702 Uni tractors w/combines & 729 A and 729 Uni shellers w-3 & 4 row 30" and 40" heads. Used JD 13 to 15 ft. grain heads.

IND. EQUIPMENT - Int. 510 4 whl. drive payloader used 500 hrs. like new. Cat 933 crawler loader, Case 850 D dozer w/hydrl. blade, Skid Loaders - Bobcat Hydro 700. Ford CL40 Skid Loader.

Ford 4000 gas loader and backhoe.

Mechanics Special JD 4020 gas, power shift $3950.00.

Case 1030 Needs Trans. Work. Case 1410, Farmall 460D w/F.H.

PLANTERS Used JD 6 row Conservation, fully eq. real nice. New 7000 JD 4 row w/Inst., fert. & monitor $6950, used JD 7000 six row w/fert. fill, plateless, inst. w/minimum till & monitor, (new) White 5100 4 row planter w/monitor for $6850.00, N.I. 325 picker w/sheller. Used Case 13 ft. Disc w/new blades and dual wheels. (New Haybines,) Gehl 1090 9 ft. for $4800; (used haybines), MC 7' rotary scythe, JD 1209.

New Holland 354 Gr. Mixer; NH 351 (SOLD) Gr. Mixer; Used John Deere 300 Husker.

Long 1199B 3 pt. backhoe (SOLD) like new; MF #246 Quick tach loader Like New, Holland #1500 3 row transplanter used 1 acre, used JD 444 corn heads from $2450, and up.

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Planters - Int. 4 row #800 (SOLD) Early Riser, Oliver Planter 6 row w/no til fert. fill, inst. AC 4 row no til w/dry or liquid fert., Woods 120 offset cutter. NH pickup heads for 770, 717, Miller 12 ft. offset disk, (JD 215 disk 13'9" Demo Like new, Athens 10 ft. rock disk) JD Disks #210. Int. #480-22 ft. Wing Disk, Badger 1500 gal. liquid tank spreader, New Westfield grain augers 41 ft. 8" KD=$1395, 56 ft. 8" KD=1995. Used Manure spreaders - 2 NI 214 nice, JD 54 - good, NH 518 - nice.

PLOWS - Int. #720 5x18 reset like new, Ford 5x18 spring (SOLD) reset. Ford 3x18 sp. reset, JD 2500 6x sp. reset, JD 5x hyd. White 4X spring reset, 3 rollover plows - Int. #140 - 4x18, Oliver 4x16 rollover plows, New Brillion 21' hyd. fold packer, Used Brillion 15 ft. cultimulchers, Chisel Plows, Int. 13 ft. 3 pt. and w/gauge wheels, JD 11 ft. pull type Athens 7 and 10 ft. 3 pt., new Int. #80 snow blower; New Johnson loader.

Flail chopper, New Holland 38, 36 (SOLD) Straw choppers for combines; JD 4400, 7700, 6600, MF 510, 550, Rakes NH 256, used NI 404 whl. rake.

Bargain corner Haybines - 2 New Idea 9 ft., 2 Hesston PT 10.

Owatonna 200 haybine, NI 279 cut-ditioner; NH 469 Haybine; NH 269 Baler w/thrower; Starline tank spreader, Hawk Built tank spreader, Bearcat Gr. Mixer, Helix Gr. Mixer; Int. #50 4 row stalk shredder; Woods 4 row stalk shredder, Int. 400 4 row, air planter for $975.00, White 5400 4 row no til, JD 1240 plateless, 8 JD 1250 and 1300 six row planters for $700 to $1450, Int. 400 6 row air planter for $1450.

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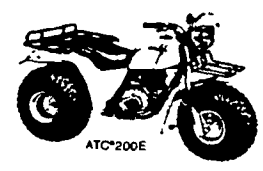

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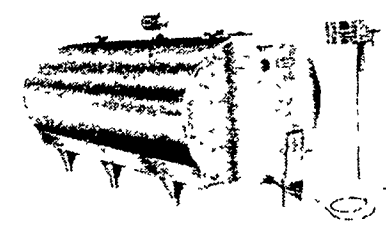

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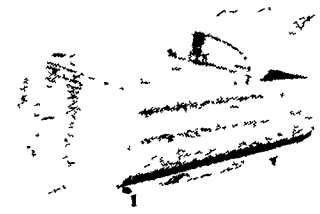

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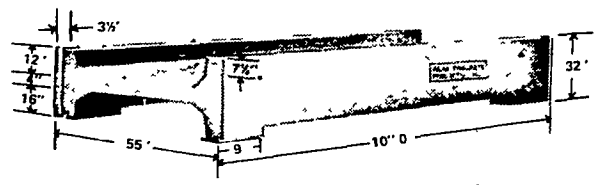

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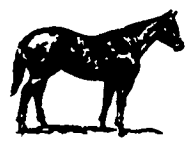
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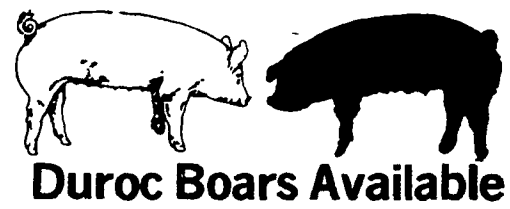
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BEST IN DESIGN, PRICE AND EXPERIENCE

WE SPECIALIZE IN THE LATEST AND MOST MODERN DESIGN IN BUILDINGS AND EQUIPMENT FOR HOG CONFINEMENT
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★ NURSERY ★ GROWER ★ FINISHER
★ COMPLETE AUTOMATION FOR WATERING, FEEDING, VENTILATION

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Concrete hog slats. VT Petersheim Box 315 Rt. 2, Mifflintown, PA 17059

For Sale - 1979 12' 40' hog castle (Ag-Best). Excell. shape, self-contained pit, all equipment in new shape, les crates. 215-488-7512

For Sale - Pride of the Farm Hog Feeders. 6 hole line fence feeder w/cast iron bottom. Rebuilt better than new $200. 717-733-2310

Forms for making concrete gangslates 4x10 and 4x8 makes rounded edges. Henry U. Stoltzfus, Morgantown, Pa. 19543 along Rt. 23 Maxwell Hill Road.

15 individual sow feeding stalls, made of steel. 717-382-4426

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Duroc, Spot, Crossbred Gilts
(Delivery available)
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BABY CHICKS - Hubbard Leghorns, Golden Comets, Cornish Giants, Barred Rock, Reds and other breeds. Also turkeys, ducks, geese, guineas, and game birds. CASE HATCHERY, 79L Brodbecks, Pa. 17329, 717-235-2050

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Bressler type roll-a-way newst & pads. Heavy plastic. priced right. R. Olmstead, R. #4 Montoursville, Pa. 17754 717-435-5216

2500 DeKalb XL pullets, 20 week date 12/16/82, cage grown. Call 215-723-9578

Guineas, live, dressed keets; dog houses; fish worms. 717-687-8041

For Sale - 150 red pullets, 26 weeks old, $3.80 each. Call 215-445-5461

Berks Co. Poultry Farm For Sale - 20 to 50 acres available. 35,000 bird layer house on contract, excellent condition. 2 bedroom mobile home or will sell entire 60 acre farm. 215-562-7776

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Will pay premium price
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- Capons
- Rabbits
- Guineas
- Chuckers
- Turkeys
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215-267-4784

FEED & SEED

Buyer of shelled or ear corn. John J. Hoober, Inc., Gordonville, Pa. Ph. 717-768-8481 or 768-3216.

Wanted - Ear corn, good quality only. Will pickup at your farm. Ken Miko, RD 3, Schuylkill Haven, Pa.717-739-4586.

For Sale - Oyster shells. Contact Nelson Weaver & Son, Inc., Lititz, PA 717-626-8538

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Wood shavings, sawdust, kiln dried; bag or bulk, year round supply, excellent quality hay, straw and all horticultural products. Jerry Migli, Hobart, NY 607-538-9492

ProLasse 8%
All Natural Molasses Base Liquid Protein. Make sweet feed with any PTO mixer. Wholesale, retail from manufacturer, dealer inquiries invited. Call collect. 301-343-0343

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Suitable For Horses, bright, cleaned, dust free, in 40 lb. paper bags, $3.25 per bag.
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Nice, bright wheat straw, Stump Acres, 717-792-3216, York Co.

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Corn silage by the ton, delivered; apple pummance, makes good cow feed, will deliver, 717-532-6257, 532-9271

Timothy/Clover mix. Good and medium grades delivered in seven ton loads. Reasonable. 301-398-5123

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For Sale - Summer Grass Hay for mulch, bedding or feed, $1.00 bale. Call 717-642-5180

For Sale - Good quality square bales mixed hay, trailerloads or truckloads. Call 607-962-1403 eves. or early mornings. Located off Rt. 15 in New York.

For Sale - Feeding hay, timothy, alfalfa, alfalfa mix, clover mix, will deliver. 717-799-5306.

Approx. 250 lg. round bales of hay, best offer. 215-369-1211

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sawdust, kiln dried, bag or bulk, year round supply, excellent quality hay straw and all horticultural products. Jerry Migli
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FEED & SEED

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Ear Corn & Shelled Corn
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We need your hay.
Prompt Payment
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3,000 tons available at low prices
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EAR CORN

Good Quality Only
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R.D.3
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Shelled corn and soybeans
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- We Also have Excellent Quality haylage Available Now, Testing High In Protein and Energy w/Excellent Palatability $35/Ton Loaded.
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Pallet bins, 18 bushel capacity, 40"x48"x31" for apples or potatoes, 63 available at $12 each or all for $700. 215-262-3674 7:30 A.M. - 5:00 P.M.

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WE ARE IN NEED OF CORN AND SOYBEANS

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NEW CORN AND SOYBEANS
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Cured Shawings & Sawdust
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SAWDUST AND SHAVINGS MIXED
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5 trailer loads - $350

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Test analysis show analysis up to 33-69-32.
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For Sale - Chicken manure, will deliver, 215-273-3097

Dry fertilizer attachments for Holland transplanter $525 for both, new cond., 717-587-4839

2100 gallon Better Bilt liquid manure tank mounted on 1968 Ford truck, complete unit ready to go, $6,900. Henry K. Fisher, 717-393-6530. 8:00-4:30

For Sale - Mushroom soil, 400 bushel, $50. Carl Garman, 717-665-4235 or 215-484-2695

Wanted - 200 ton bulk lime delivered to Addison, NY. State price and composition. 607-359-3921

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Delivered within 100 mile radius of Harrisburg, in 15 ton loads.

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100% thru 100 mesh 45% CaO, 80% CaC03 3% Potash, USDA tested and proven. ENP=80. Only $4.00 per ton F.O.B. Bangor, Penna.

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MUSHROOM SOIL
1000 bu. load @ $80 per load

Poultry Manure Also Available

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Wanted - Holstein heifers to feed in my barn, for more info., Lanc. Co. Elizabethtown 717-367-3111.

30' flatbed trailer, 9 ton limit, reasonable rates. 215-369-1211

Interior painting, $5.75 per hr. Less if you provide transportation. Christian Fisher, 286A Bartville Rd., RD 1, Christianan, PA 17509

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Carpentry and Masonry work on pole, frame and block buildings. Write Aaron K. Smucker, Strasburg RD #1, Box 188, 17579, 717-786-2528

Engine rebuilding, Perkins diesel, Wisconsin and others. Glick's Engines, 105 Horseshoe Road, Leola, PA 717-656-9734 after 6 p.m.

Anthracite coal, fresh mined, all sizes. Delivered. For information. Call 1-717-875-3972.

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Grain Storage: Erection, sales and service, Call 717-933-5358.

Oatman Septic Pumping Service. White Oak Rd. Smyrna, Lancaster Co., PA 17509. 215-593-6240. 215-857-9612

Soybean roasting on your farm. Dale L. Schnupp. RD 6 Lebanon, PA 17042. 717-865-6611

Will haul hay, straw and livestock. 717-627-3839 or 626-6904

General Hauling - Equipment, Hay, Straw & Grain Ivan S. Zook, RD 1, Gap, PA 17527. 717-768-3052

Farm and home construction. All types of buildings, masonry, concrete repair work. Will travel. Free estimates. I.S. King Co. 717-284-2665

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Concrete manure tanks above and below ground. Will design and build to fit your needs and condition. D.E. Stoltzfus Construction Company Fleetwood, PA 215-944-0404

We custom build double chain wooden feed conveyors and tapered board feeders. We welcome dealer inquiries. Samuel K. Stoltzfus, 550 Beechdale Road, Bird-in-Hand, Pa. 17505

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Hog - Dairy - Beef

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GOVERNMENT JOBS Immediate openings overseas and domestic 20,000 to 50,000 plus a year call 312-920-9675 extension 1370A

Person to work on farm. Can furnish 7 room house. John Strawbridge. 301-996-2022

Looking for self-employment or a second income? "Coastal Fly Control" needs men to sell, install, and service the "automatic fly control system." Large sales areas are available for this advancement in insect control. For more info. and applications call 717-872-8358

Person to milk on 500 cow dairy, 60 hrs. per week and regular time off included with good salary base. Housing may be available. Experience not needed but helpful. Additional compensation if qualified to work as night head milker. 301-374-2999 day, 374-4718 eves. after 7.

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For Agricultural Sprayer dealer. Large territory. Draw against commission. Call for interview appt.
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Ag Equipment territory rep to tree, fruit, vegetable growers, East U.S., new England. Must be sales oriented, aggressive, self-starting, willing to travel extensively. Ag background preferred. Salary, commission. car and expenses. If willing to give 100% effort, send resume to:

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Farmer needed to operate 500 acre New York general farm, salary plus percentage of profit, nice homestead on farm 717-464-4135

Married farmhand, experienced with dairy and equipment required. Housing provided. 814-267-3724 eves.

Caretakers: Looking for country positions? Landowners: Need help taking care of your place? Get together through The Caretaker Gazette, Box 342, Carpentersville, IL 60110. Send SASE for free information.

Single person help milk and general farm work. Lancaster County. 717-653-5155

Part Time person for service on farm products. All tools and truck furnished. Must live within approx. 10 miles of Sunbury, Pa. All day work. Good pay. Reply to Box 366 J-254, c/o Lancaster Farming, Lititz, Pa. 17543

Exceptional position for reliable experienced, dairy herdsperson. Send brief resume and include your phone number to: Sy Diamond, R.D. 2, Ovid, NY 14521.

Mature or retired couple wanted, general duties on horse farm, housing provided. Harrisburg area. Call evenings 7-9 p.m. 717-545-5629

Beef raising farmer needs cook, also some help with farm chores. Must be over 18 yrs. Write Box 366 J-255, c/o Lancaster farming, Lititz, PA 17543

$106.80 DAILY EARNINGS working three hours a day at home. Your earnings fully guaranteed in writing. For complete details and application, please send a stamped, self-addressed envelope to LT P.O. Box 750, Scranton, Pa. 18503

Live-in position on dairy goat farm. House, salary and medical insurance. Near Quakertown. 215-679-8970

DOCKWRITER - Wanted immediately for Tuesday evening auctions. Must have good knowledge of livestock and clear handwriting. A dependable year-round part-time income. Write CARLISLE LIVESTOCK MARKET, 548 Alexander Spring Rd., Carlisle, PA or phoe 717-249-4511. Evenings 717-249-2359

Dependable, reliable, settled person to live-in w/elderly lady. Room, board and good wages. York Co. Send replies to Lancaster Farming, P.O. Box 366 R-35, Lititz, PA 17543

Married couple to milk and care for approx. 30 head dairy herd. House available. Excellent salary. For info. call 301-875-2006 after 7 p.m.

HELP WANTED

Lycoming Co. farmer needs housekeeper, must love children. Send resume and photo to PO Box 366 J-253, c/o Lancaster Farming, Lititz, PA 17543

Reliable and ambitious person to work in new 500 sow farrow to finish swine farm located in northeast Lancaster Co. Mail resume to Swine Farmer, 457 E. Main Ave., Myerstown, PA 17067 or phone 215-445-4501 or 717-866-7565 for more info. Position available immediately.

SITUATIONS WANTED

Sawmill Wanted - Operating or not to be moved to NJ, distance not important. Please call 609-653-1018, ask for Kevin or Dave.

TRUCKS & TRAILERS

Trailers for sale - Fruehauf 40x12'6" slider on 20. Fruehauf 40 aluminum livestock van, slider on 20. Fruehauf 40 aluminum pot belly livestock, Great Dane 40x13 insulated van, slider on 22. Fruehauf 22' steel 2 axle dump, Fruehauf 35' flat, 20" tires. Dorsey 35' flat, spread on 20, Trailmobile 45' flat slider on 22, Trailmobile 42' flat, equipped to haul chicken coops. All kinds of storage trailers for sale or rent, some have shelves and office space. 717-626-5420

'74 IH cabover sleeper, 318 Detroit, twinscrew, low mileage, 10:20 radial tires, sliding 5th wheel, PS, $9,500. 215-286-9510

For Sale - 10' wood livestock body; 12' wood livestock body; 20' wood livestock body; 26' alum. livestock body; 12' wood livestock body. M. H. Eby, Blue Ball 717-354-4971.

1974 Ford F100, ½ ton pick-up with load extender springs, custom deluxe, great condition, 2-tone paint, deluxe interior, air conditioning, power steering and power brakes, no rust, radial tires; $2500 negotiable, (717) 397-2093, 285-3051 or 301-666-8477

Army truck, GMC, all wheel drive, auto. transmission, 9:00, 20 tires, tandem axle, $2800. 609-769-3183.

Wanted - 1937 IH pick-up truck or parts, call collect 609-423-0636, ask for Ed Sr. or Jr.

1971 IH grain truck, tandem axle; 1965 IH 2000 tandem truck tractor. 201-439-2430.

65 International truck R-190 18' steel flatbed, air brakes, 10x20 tires, GVW 25,000, AM/FM, heat, tire chains, Berks Co. Walter 1-215-562-4007

1974 Stidham horse trailer, full mats and doors $1,000.00 1-301-658-3029

SITUATIONS WANTED

Situation Wanted - Experienced milker seeks work on Dairy, Reference. Call 301-658-3818

Farmette - Northwest PA, setup for dairy now, many uses, sale, lease or rent, 1983. For information call 814-398-8073

Young dairyman seeking herdsman position or opportunity to take over a herd in Lancaster Co. or surrounding Co. 717-285-5686

Experienced Mennonite couple looking to work for and possibly lease purchase a dairy farm. Write to Lancaster Farming, PO Box 366 D-19, Lititz, Pa. 17543.

BUSINESS OPPORTUNITIES

Farm horse magazine for sale. 518-677-5707

TRUCKS & TRAILERS

18' Morgan flatbed heavy duty, Also Diamond T tractor, S/A, bad motor, 215-374-6490 after 9 p.m.

1971 C60 Chevy with 24' Jerrdann Super 10 Rollback, good condition. 717-265-9014

1972 Ford LN9000 tri-axel, 318 engine, 10 speed, new 10 20 19' aluminum bed, 800 bu. capacity. Excell. cond., must sell 215-869-3375 after 8 p.m.

'71 Brockway tri-axle dump, $13,500, real good cond. '75 Ford cattle truck, hauls 12 cows, $5,000, Grove self-unloading wagon $550, 717-432-2883, between 5 and 6 p.m.

1965 GMC 1 ton dual wheel 12' cattle body, $1300. 717-532-9271

1977 GMC 6500 w/26' Groves rollback, gas and LP gas, good truck, $13,500 delivered. 607-642-8688 or 8519

1978 - 32' Alum. Dump $12,500.00, 1978 General 35 ton Detachable, with power unit $14,975.00 1977 White, Conventional 13 sp. PS. 38r $9500.00, Others, 814-793-2829. Curry Supply

Ford 1965 F-600 14' stake body on 16' chassis, exc. cond., needs inspection, $1300. 215-584-0229

For Sale - 2 late model 12,000 lbs., front truck axles w/air brakes and spoke wheels, $350, 717-733-8528

36' flatbed trailer, good cond., $2000. 717-532-9271

1966 Ford F600 w/late 16' grain dump, 17 ton hoist, Hyd. auger, tarp, $3,400. 607-642-8688 or 8519.

For Sale - 1969 Int. 1700 22' flatbed, 9.00x20 tires, good cond., asking $2000. 201-462-0994 eves. Monmouth Co., NJ

1966 GMC pickup truck, 1 ton w/dump, good condition. 717-859-1662

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*SPECIAL DISCOUNTS AND REBATES ON ALL '82 CARS AND TRUCKS
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CATTLE TRUCK
1966 Chev. model 60, 20' covered cattle bed, motor less than 25,000 mi.
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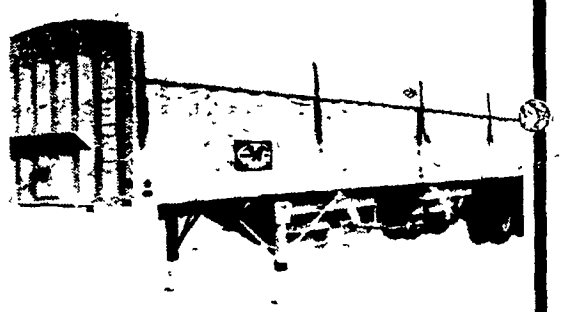

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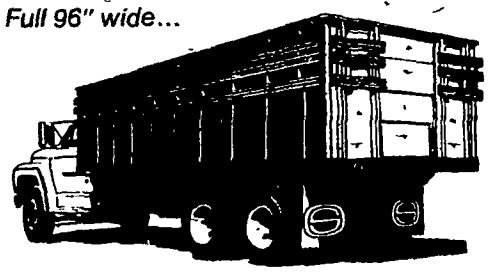

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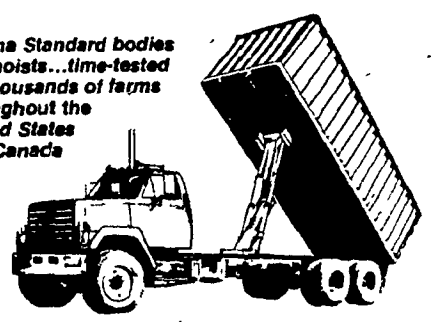

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Wishing Everybody a Merry Christmas & Happy New Year!
Love, Jo Jo the Dog Man
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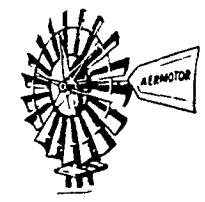

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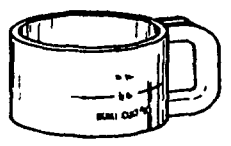

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No-till — no comparison

Manheim couple agrees on soil-saving system

BY DONNA TOMMELLEO

MANHEIM — No one has to lecture Bonnie Swarr on the effects of soil erosion.

The Indiana native hails from Hoosier farm country, where her parents 800-acre "moderate size farm," included hogs, soybeans and corn, like most of the farms near Chalmers, Ind.

Devoid of hills, the table-top flatness of the land hosts terrific windstorms. Constant wind erosion transfers topsoil practically everywhere.

"Nobody washes cars and windows in the fall," she explains. Even the newest of homes cannot prevent the accumulation of the dark, black soil.

Since no-till doesn't destroy root structure because the ground is not severly broken, weeds, like this woody sprout, tend to prevail.

Swarr's 10-year-old no-till planter stands idle for the season while this year's tobacco crop drys.

And although scores of farmers in the mid-Atlantic region battle erosion with no-till cropping, Bonnie reports that is not the case back home.

As easily as the Indiana soil is borne by wind, so, in contrast, is the difficulty by which the land is prepared. For in this area, the mold board plow is king.

The rich Chalmers silt loam, considered one of the finest soils in the corn belt, presents a challenge at plowing because of its hardness.

Bonnie recalls watching huge slabs of the black soil just roll back from the plow like slate shavings.

"It's very heavy ground," she adds. "It does work up real nice if you get it done in the fall."

The registered nurse left her Hoosier roots and followed her career to the Hershey Medical Center. Once in the southcentral Pennsylvania region, Bonnie met and married Manhiem farmer Jere Swarr. Together, Bonnie and Jere spearhead, along with the help of hired man Myron Musser, the labor force on Jere's home farm.

Understandably, Bonnie has noticed striking differences between the agriculture styles.

"The farms in Indiana aren't as diversified as the farms, here," she says. The Swarrs' farm feeds approximately 1,800 hogs and nearly 200 steers, annually. In addition to forage and feed crops, the couple maintains about 20 acres of tobacco — a commodity that helped acclimate the Indiana transplant to harvest time in the Keystone State.

"I figured if I can make it through this (tobacco harvest), I can make it through everything," she laughs.

Bonnie explains that she's noticed more of a consciousness in the east toward soil loss — an awarness that both she and Jere share.

Consequently, the mold board plow practically has gone the route of extinction at the Swarr farm.

"I've always been intrigued by no-till," Jere mentions. Swarr plants approximately one third of his 250 acres in no-till while the remaining acreage is minimum tilled or chisel plowed.

Although he is aware of no-till procedures for tobacco, Jere notes he has yet to use the practice on his small tobacco field.

Almost four years ago, Jere's neighbor planted no-till corn after hay for Swarr and later planted soybeans after wheat.

"It worked out real well," Jere recalls. When his neighbor quit farming a couple years ago, Jere kept the no-till ball rolling. He bought his neighbor's planter and in addition to his own fields began custom planting for others.

"There's less work with no-till, but it takes a lot more patience," he admits.

To avoid uneven seed cover and bouncing up and down of the planter, Jere explains he plants at a slow three to four miles per hour.

"Sometimes I even go slower," he says. "It just seems reasonable to take your time.

"I usually get off the tractor a lot and see if the seeds are covered," he adds.

The Manheim farmer targets his seed beds at around one and a half inches deep. The no-till planter prepares just enough space for the seed bed and leaves everthing else undisturbed.

What is left behind is the very important spongy mulch which will hold in moisture and consequently prevents a great deal of run-off.

Swarr explains that his two types of soil — Berks silt loam and Duffield — have high phosphorus and potash content. He applies any additional potash needed on the surface.

Manheim farmers Jere and Bonnie examine some of the sponge-like mulch produced from their no-till cropping practices.

"Usually the mulch will hold it," Swarr says.

But adding nitrogen is a different story. If applied on top, the low pH of nitrogen will lower surface pH. Several herbicides tend to lose their effectiveness under low pH conditions, therefore Swarr knifes in or side-dresses his nitrogen source, usually anhydrous ammonia.

At a concentration rate of 25,000 individual corn plants per acre, Jere admits that no-till produces about the same but no less yield than conventional till.

"But more times than not, the yield's better," he states.

Before Jere and Bonnie left for their honeymoon this past July they took note of adjacent fields of no-till and conventional till. The latter, they admit looked better.

However, when they returned two weeks later, the scene was much different.

"The no-till field was higher and healthier looking," Bonnie recalls. "There was no comparison."

Jere remarks that his no-till fields have held up well, even under extensive spreading.

"I've coated a field with cattle manure and tobacco stalks, w[illegible] in and planted it with no problem."

But no-till is not without its drawbacks, especially the latest drawback handed down by the Food and Drug Administration.

The FDA recently banned the insecticide, Toxaphene, used against purges of armyworms.

"The mulch or organic matter is an ideal place for insect. It makes an excellent habitat. And Toxaphene was a good insecticide for armyworms," Jere explains. "But I didn't use it this year and I got caught."

Although it could have been worse, only three acres of Swarr's corn crop suffered armyworm damage.

In addition to no-till cropping, the Swarr farms also contains a soil-saving waterway with drain tile.

For the novice no-tiller, Swarr offers the following advice: "Get someone to do a few acres and [illegible] what it's like.

"And know your planter, get the feel of it," he adds.

Bonnie agrees, "Be accurate. Take the time to do it right."

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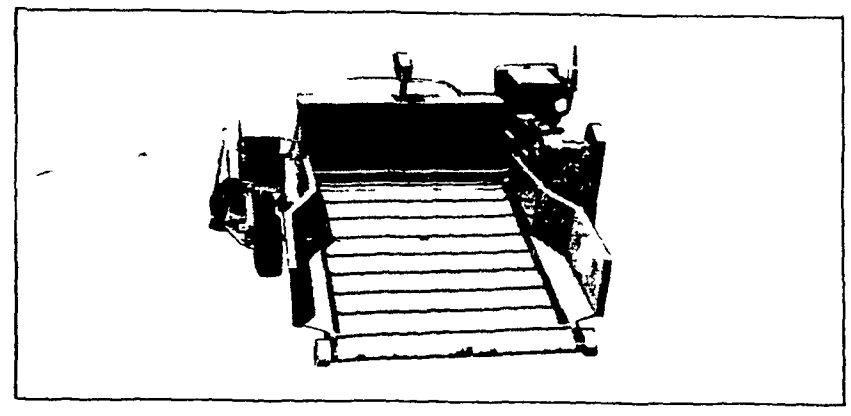

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Don Carter of Parkdale, Oregon

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Roland Rasmussen of Blair, Nebraska

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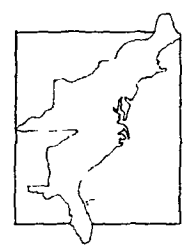

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Reduced tillage: how much energy is really saved?

(Results of a study at Penn State by D.C. Beppler, Associate Professor, Agricultural Engineering; and M.D. Shaw, Associate Professor, Agricultural Engineering.)

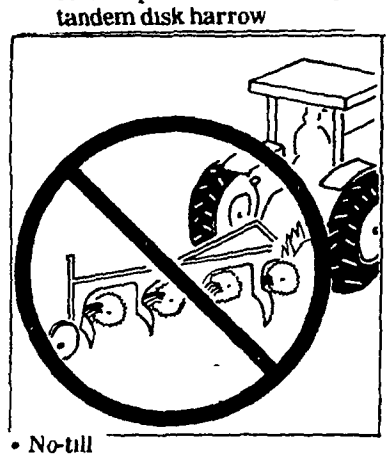
No-till has ben publicized as a way to save energy. Penn State agricultural engineers and agronomists agree that reduced tillage saves tractor fuel in producing corn. However but there may be little or no savings in total energy. Three years of study showed that preharvest consumption of tractor fuel was reduced from 3½ gallons to less than ¾ of a gallon per acre by changing from conventional tillage to no-till.

The total energy required, however, was about the same for six differenct tillage treatments. The number of gallons of diesel fuel equivalent ranged from 71 to 73 per acre. The greatest requirement was for conventional tillage, moldboard plowing and disk harrowing. The minimum was for either the offset disk or the chisel plow. Other tillage practices included combinations of chiseling and disking.

Description of Research

This research was conducted in 1978, 1979, and 1980 on a 20-acre field near the Rock Springs site for Ag Progress Days. The soil was Hagerstown silt-loam. The objective of the study was to measure the amounts of energy needed to produce shelled corn by six different tillage practices. These practices were:

- Moldboard plow and harrowing as necessary
- Large offset disk only
- Chisel plow only
- Large off set disk used twice
- Chisel plow followed by a tandem disk harrow



- No-till

The separate, plots were large enough to permit normal use of the tractors and machinery. Experienced farm operators made all the decisions regarding field speeds, travel patterns, etc.

This field had been no-tilled to corn each year since 1973. Each plot received the same fertilizer application, but more herbicides were used on the no-till plots. All plots received atrazine and metolachlor. Paraquat was added to the no-till plots, and dicamba (1979) and alachlor (1980) were also used to cope with specific weed problems observed during the previous year in the no-till plots. Herbicides were used to control weeds only as necessary.

Date Collection and Instrumentation

Three tractors and a combine were equipped with special instruments to measure fuel consumption. One tractor was also equipped with an electronic timer and wheel revolution-counters. A dynamometer was used to relate the rate of fuel consumption to the power output of each engine. The power actually used by the equipment was calculated by subtracting transmission, rolling resistance, and wheel-slip losses from the total power output.

Insights were gained as to how the energy from the tractor fuel was utilized by the tractor and implement combination. For instance, in 1980, seventy-two percent of the tractor fuel for conventional tillage was used just to move the equipment. Only twenty-eight percent was actually delivered to the working elements of the implements.

Patterns of Fuel Usage

Diesel tractors consumed 1½ to 2½ gallons of fuel per hour at normal engine speed even when the tractor was not working. Idling and light loads are very wasteful of fuel.

The highest fuel consumption (gal/hr) was for a 135 hp tractor pulling a 12-ft wide offset disk at 5.6 mph. However because of the width and speed of the machine the fuel consumption (gal/acre) was the least for any of the tillage treatments (1 gal/acre). The 7-ft chisel plow required 1½ gal/acre and the 4-bottom moldboard plow 2 gal/acre.

The total fuel for tillage, planting, and applying fertilizer and herbicides varied from ¾ for no-till to 3½ gal/acre for plowing and harrowing.

Drier fuel was calculated at 100 gallons of LPG for the 400-bushel batch. Fuel use for transportation and handling was based on the 4-mile round trip to the field.

Energy Requirements

A savings of tractor fuel can be made by reducing tillage operations, but there is very little difference in the total amount of energy per acre of corn. The reason is that the 200 pounds of active nitrogen used per acre is equivalent to about 45 gallons of diesel fuel which makes the tractor fuel a small part of the total energy. The total energy for no-till was higher than that for the offset disk and chisel treatments because it was necessary to use more herbicide on the no-till treatment. A pound of active ingredient in most herbicides requires the energy equivalent of about a gallon of diesel fuel.

(Turn to Page D5)

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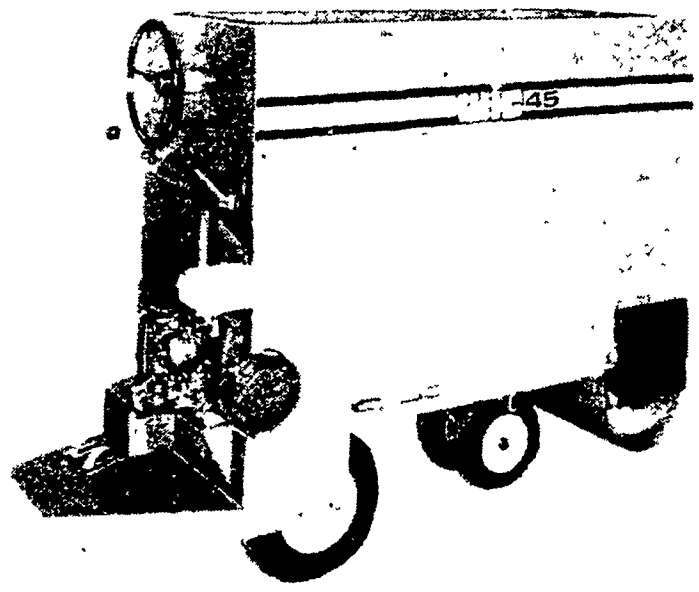

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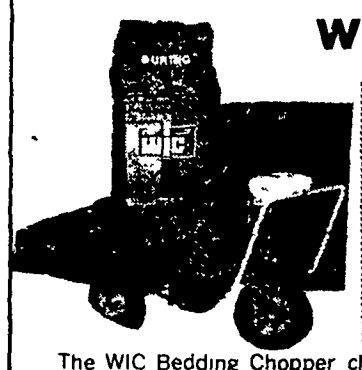

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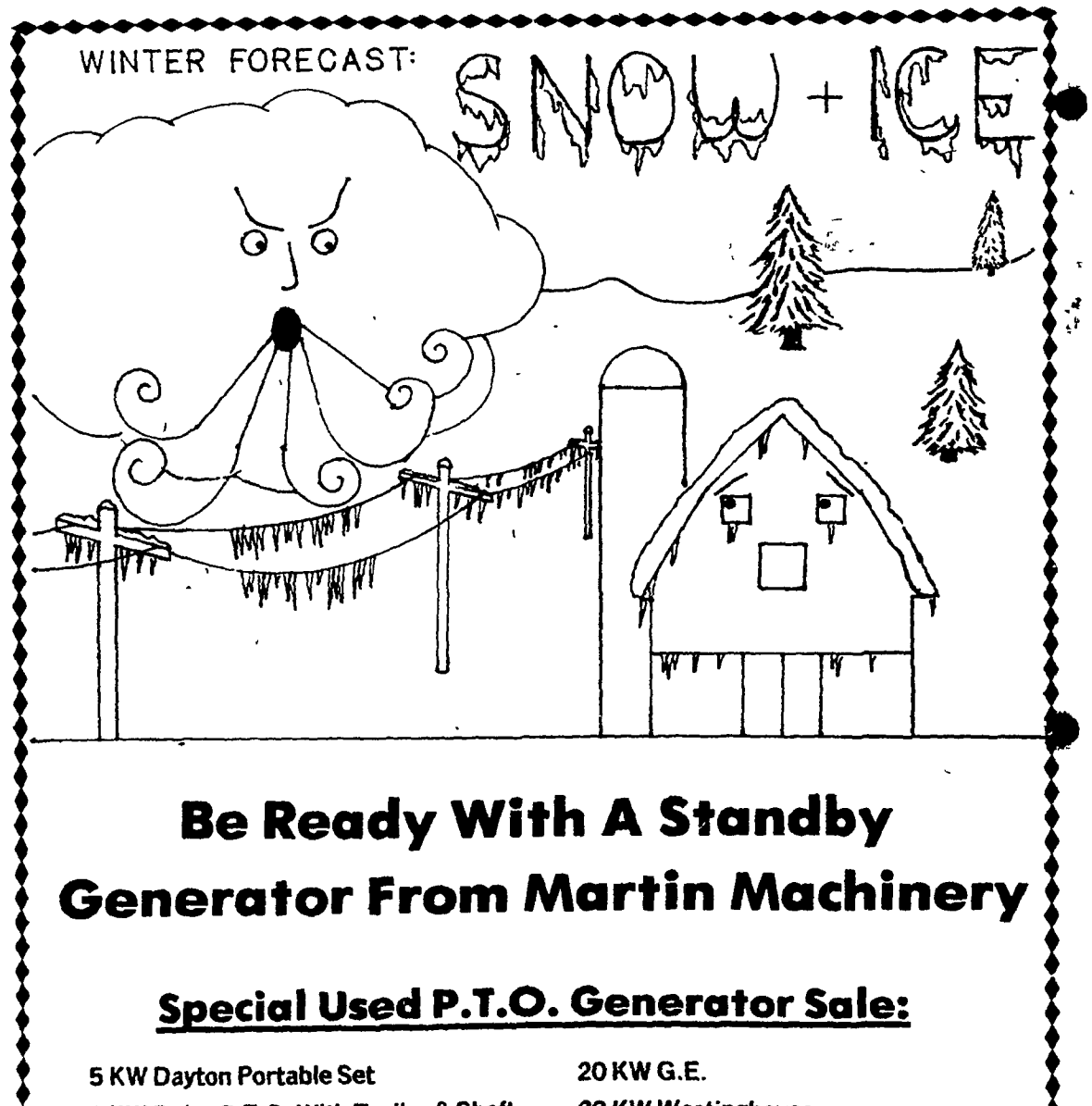

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How much energy is saved?

(Continued from Page D4)

In summary, a breakdown of total energy for two treatments was:

	Fertilizer & Herbicides	Drier	Tractor Fuel	Total
Moldboard	64%	29%	7%	72.7 Gal
No-till	67%	30%	3%	71.4 Gal

The table shows the energy requirements for all treatments.

Table 1. Energy Requirements and Crop Yields: Shelled Corn.

Activity/Operation	Tillage Method Practiced					
	Moldboard & Harrow	Offset Disk	Chisel Plow	Disked Twice	Chiseled & Disked	No-Till
	Gallons of Diesel Fuel Equivalent per acre					
Preharvest	3.4	1.8	2.3	2.7	3.0	0.7
Harvesting, Drying, Handling	22.3	22.3	22.3	22.3	22.3	22.3
Chemicals	46.9	46.9	46.9	46.9	46.9	48.3
TOTAL	72.7	71.1	71.5	71.9	72.3	71.4
YIELD Bu./acre	110	107	104	105	110	112
RATIO Bu./gal.	1.51	1.50	1.45	1.46	1.52	1.57

Influence of Tillage Treatments on Yield

At no time during the three-year study were there significant differences in shelled corn yield, or in moisture content at harvest between the six treatments.

During 1978 and 1980 observations were made of how accurately the planter placed the seed in the different seedbeds. Although the seeds were not placed as uniformly in the reduced tillage plots, plant emergence and stand counts showed no statistical differences in plant populations. In 1980 the ratios of bushels of corn produced to gallons of diesel fuel equivalent used ranged from a low of 1.45 for the chisel plots to a high of 1.57 for the no-till, but these differences were not significant.

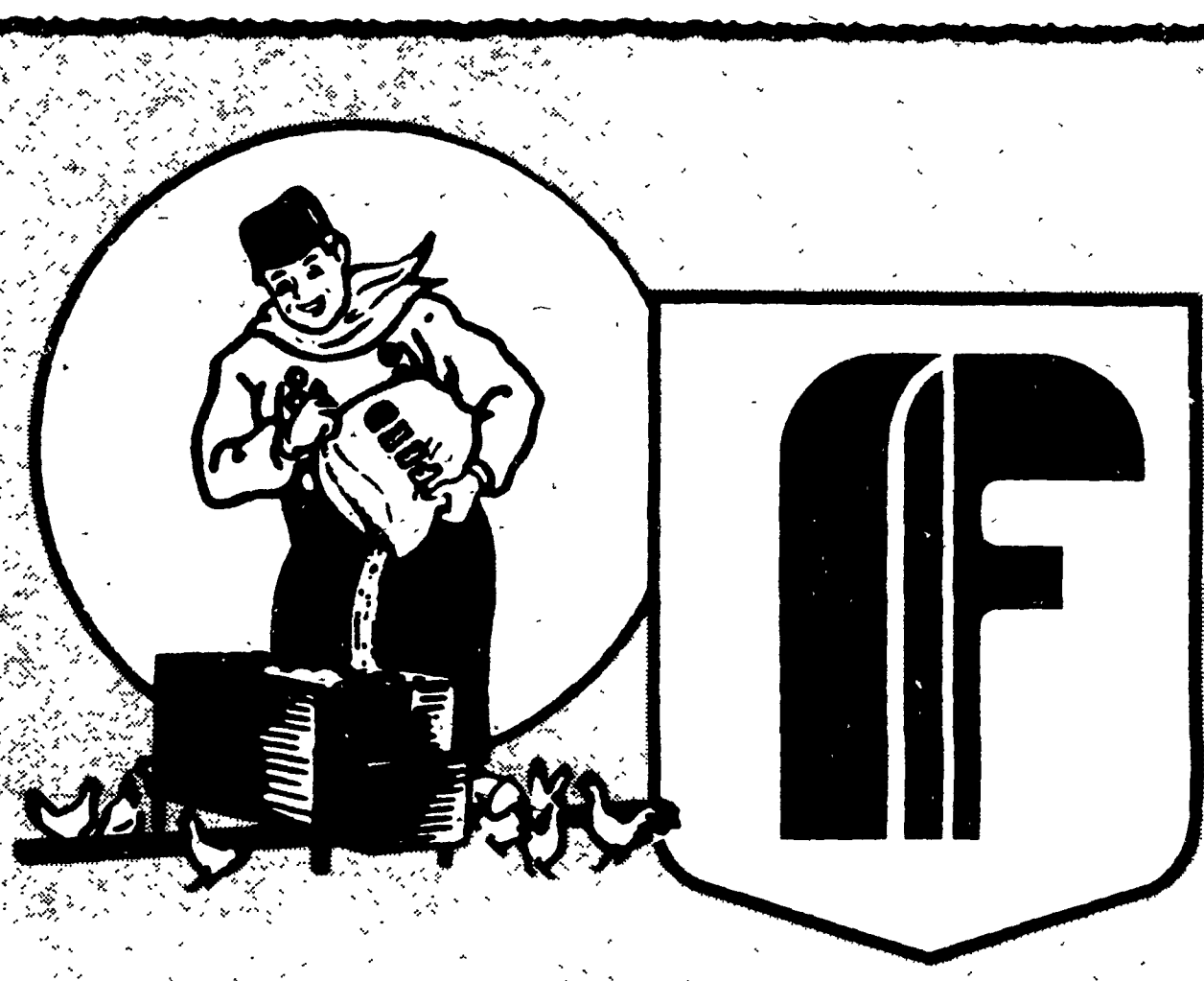
Reduced Tillage: Pro and Con

There are many advantages to reduced tillage, but, as this study shows, a reduction in total energy is not one of them. There is a substantial reduction in tractor fuel, but this is only 3 to 7 percent of total energy. This might be very critical, however, in a year when tractor fuel supplies are short.

- The time required for reduced tillage is significantly less.
- Soil erosion is significantly less on reduced tillage fields, especially if the fields have considerable slope.
- Soil moisture conditions are more critical with no-till operations to get good germination.
- Use of herbicides to control weeds is critical in no-till operations.

Sedimentation cut

LANCASTER — Reduced water erosion can also minimize sedimentation – which is one of the largest single sources of water pollution in the United States.



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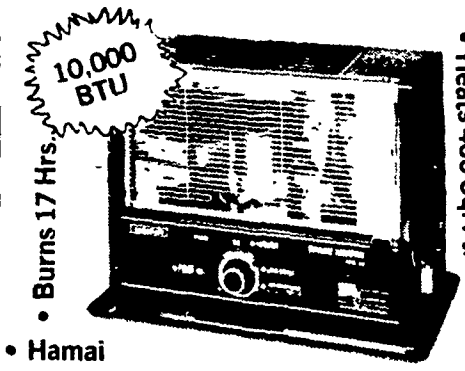

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Pennfield honors more employees for service

10-year Pennfield employees include Helen Anspach, right, with Virginia Owens.

Employees receiving 5-year Pennfield awards include, front row from left, Russell Blaker, Wendy Moyer, Durwin Dove; back row from left, Sandra Natale, Vikki Arnold, Joann Young, Shirley Bogner and Helen Hoffman.

LANCASTER — Pennfield Corporation recently honored 76 employees who have a total of 765 years of service. Included in this number were 31 individuals associated with Pennfield Farms Poultry, Fredericksburg. The awards were presented by company President, Ernest O. Horn, Jr., during a luncheon held last week at the Quality Inn, Lebanon Valley.

Honored for 25 years of service was Walter Kreiser, R1 Grantville.

Receiving 15-year awards were Mary and David Schaeffer, R1 Pine Grove; Miles Spannuth, Fredericksburg; John Leonard, 1136 Church St.; David Johnson, Jonestown; and Kathryn Meyer, R1 Fredericksburg.

Ten-year awards were presented to Helen Anspach, Pine Grove; Virginia Owens, R1 Grantville; Timothy Rentschler, R1 Myerstown; and Helen Swetland, Jonestown.

Cited for five-year awards were Helen Hoffman, R3 Lebanon; Thomas Ninkovich, R6 Lebanon; Felix and Dorquie Sepulveda-Lopez, 437 Jones St.; Robert Bender, 302 N. 3rd Ave.; Wendy Moyer, RD Bethel; Rosael Ortiz, 1115Walton St.; Darlene Steiner, 2121 Quarry Rd.; Sandra Natale, R1 Fredericksburg; Helen Neidig, Jonestown; Vikki Arnold, Bethel.

Also receiving five-year awards were Donald and Dale Barlett, 211 Mifflin St.; Kevin Zserai, R1 Jonestown; Joseph Gregory, 17 Lebanon Valley Court; Shirley Bogner, R1 Myerstown; Katie Frederick Tower City; Durwin Dove, R1 Jonestown; Joann Young, R1 Myerstown; and Russell Blaker, Harrisburg.

Also honored were two employees with combined service of 41 years, who retired from Pennfield Farms Poultry during the past year. They were Alice Seiters, R1 Myerstown; and Effie Yerger, R1 Fredericksburg.

Quarter-century employee Walter Kreiser, right, is shown with Dr. Willie Payne, Vice President, Pennfield Farms Poultry.

15-year employees with Pennfield President Ernest O. Horn Jr., center, include from left David Sheaffer, David Johnson, Mary Sheaffer and Miles Spannuth.

Hostetter adds dairy specialist

ANNVILLE — Stephen Hostetter, a professionally trained dairy farm equipment specialist, has joined the staff of the Pen W. Hostetter dealership at R2 Annville. He will service and repair Surge dairy farm equipment throughout the Lebanon and surrounding area.

"The addition of Stephen allows us to be of even more service to the dairyman," said Pen Hostetter. "Emphasis can now be placed on scheduled preventive maintenance as well as emergency service and new equipment installation," he continued.

Service specialist Hostetter has recently completed an extensive training program at the Surge Training Center, located near St. Charles, Il. Courses were conducted in classrooms and on-the-job. Subjects included theory and history of machine milking, proper milking practices, preventive servicing, equipment installation and repair, and workshop techniques.

Stephen Hostetter

Farm Business News

Hesston introduces utility tractors

HESSTON, Kan. — Hesston is introducing three new utility tractors called the 66 Series: the 45 PTO horsepower Model 466, 51 PTO horsepower Model 566 and 62 PTO horsepower Model 666.

All three tractors are equipped with Fiat diesel engines. Models 466 and 566 have 158 and 168 cubic-inch three-cylinder engines respectively. Model 666 has a 211 cubic-inch four-cylinder powerplant.

"Fiat-built diesel engines have been proven in countries where fuel economy has been a way of life for years," said Jim Callaway, Hesston product manager, tractors. "These engines feature exclusive Pre-Swirl intake valves and true Omega-Profile piston design to provide optimum atomization and precise mixing of fuel and air. The result is clean burning, greater fuel efficiency and extra lugging power," Callaway said.

The 66 Series tractors are all available with two- or four-wheel drive. Four-wheel drives are designated as "DT" (dual traction) models. Mechanical, centerline four-wheel drive can be used full-time in the field for increased traction, more productivity and lower fuel consumption. Centerline design provides excellent agility, short-turning radius and full-front axle oscillation to both sides. Massive outboard planetary final drives deliver more torque to the point of power.

A 12-speed forward/4-speed reverse constant-mesh transmission, with all gears in each range fully synchronized, is standard. Optional transmissions include 12-speed shuttle and 20-speed creeper units for specialized applications.

All three models are equipped with hydrostatic power steering and wet disc brakes as standard.

The standard 540-rpm PTO permits fully independent or ground-drive operation. And a Category I-II lower-link, flection-bar sensing three-point lift is standard. It features draft, position and "mixed" control. The lift has adjustable lowering speed control and it locks in the raised position for transport. A new spool-type valve gives smooth operation, and a new demand valve immediately senses and responds to implement pull.

Like all Hesston models, drivetrain components on the new 66 Series tractors are actually rigid frame members of the tractor's mono-block construction. One-piece gearbox and final-drive housings are designed for rugged construction and quiet operation.

Among new tractor introductions by Hesston are these Models 466DT, left, and the 666DT -- both four-wheel drive.

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Conservation tillage cuts costs

NEW HOLLANT — North American corn growers are in a bind all right, says Jim Payton of Sperry New Holland. No doubt about it, prices are too low. Costs just aren't covered.

But there's a partial solution to the high production cost problem and many farmers are already on the bandwagon. It's conservation tillage for corn, says Payton who is product manager for tillage at New Holland. He explains, it's simply a matter of not spending more money and time for tillage than absolutely necessary. Erosion is reduced, too, so there's less plant food and valuable top soil lost to run-off or wind.

Offset and tandem disks come to the rescue, claims Payton. They put a safety net under the grower. With the right disk – heavy enough – and pulled fast enough in land that's not too wet, you can get the job done in just one pass in most situations. The ground won't be the same as plowed, but it'll be tilled well enough to get crops planted without planted trash plugging problems. It also leaves enough residue on the surface, and mixed into the soil near the surface, to reduce both wind and water erosion.

To be effective, the disk has to have enough weight to cut through the residue and into several inches of topsoil in the first pass. It also must be pulled fast enough to get the dirt flying for cover and tilth. This is remarkable fuel-efficient if you compare it with plowing or disking with a lighter unit that needs many passes to get the job done.

White names new president

OAK BROOK, Ill. — Robert A. Fuller has been promoted to President and Chief Executive Officer of White Farm Equipment Company, Oak Brook, Ill. He previously served as Executive Vice President of the company and President of an affiliated company, White Farm Equipment Canada Limited, Brantford, Ontario. He will retain his position with the Canadian company.

Fuller succeeds Robert J. Dineen who resigned to pursue other business interests. White Farm Equipment Company is a full-line manufacturer of farm machinery and materials handling equipment marketed throughout the U.S. and Canada.

Fuller has been with White Farm Equipment Company for eight years, serving as Manager of the Charles City, Iowa, tractor plant and Vice President of Manufacturing before being named Executive Vice President.

Moisture loss

LANCASTER — Tillage itself can cause moisture loss from the soil. Tillage down to a depth of six inches can result in up to one inch of moisture loss — a factor particularly important during a dry year.

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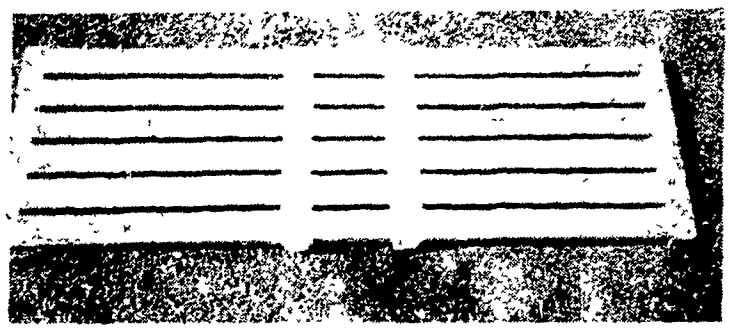

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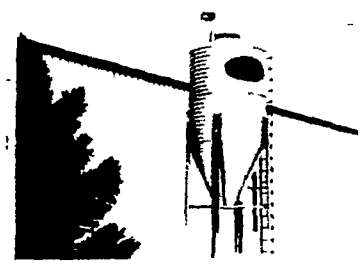

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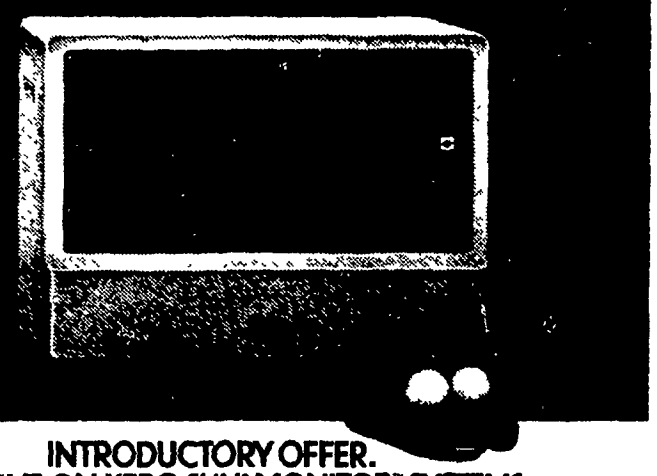

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Conservation tillage info center to open next month

ATLANTA, GA. — A new center for the collection and distribution of information on conservation tillage farming practices is to begin operations in the New Year.

R.L. ("Dick") Foell, Chairman of the new center's executive committee, said that the Conservation Tillage Information Center would be a clearing house for information on conservation tillage.

"There are many groups who are deeply involved with the rapid spread of conservation tillage in this country," said Foell, "but there is no focal point for the exchange of important information. The Conservation Tillage Information Center will fill that gap, and will strive to increase the flow of information from agricultural leaders in both the public and private sectors. This will make it more readily available to farmers and to those agencies, organizations and industries that serve the farmer's daily needs."

The new center, Foell said, will be administered by the National Association of Conservation Districts. It will be operated, as a special project within NACD, from the association's headquarters in Washington, D.C., and its field office in Ft. Wayne, Indiana.

Service support will be provided by the NACD's five regional offices and its service department in League City, Texas.

Foell, who is National Product Manager for Herbicides with Chevron Chemical Company, in San Francisco, is one of several agribusiness executives who have led the movement to establish the CTIC. Also involved have been representatives of other chemical companies, major and short-line farm machinery manufacturers, several conservation and agribusiness associations, and a number of agencies, including the USDA Soil Conservation Service, the Co-Operative Extension Service and the Environmental Protection Agency.

"The farmer always faces special problems - that's the nature of his business," said Foell. "But today there are two overriding problems he must tackle if he is to survive and prosper. One is the alarming rate of erosion of our soil; the other is his profitability.

"Soil conservation practices, especially conservation tillage, address both those problems directly. Conservation tillage is a national priority.

"Such practices as no-till farming are catching on rapidly because the farmer recognizes the benefits of improved soil and water conservation methods to safeguard his natural resources. He is also seeing considerable savings in fuel, time and labor costs," Foell said.

"However, in many cases the interest in conservation tillage is outpacing existing channels of communication of information and expertise. The interest is definitely there, but there has been no unified 'voice' of the conservation tillage movement. It is this void that the CTIC will address."

The center will be financed by contributions from its members, foundation grants and the NACD. A $50,000 grant has been received from the Joyce Foundation, subject to industry making an initial matching contribution of $25,000. Participation of companies involved in or serving agriculture is currently being solicited.

Said Foell: "We realize that this may not be the best of times to be

asking agribusiness to contribute funds, but we are confident that the importance of this project will be recognized to the extent that the funds needed will be forthcoming."

Agencies of federal and state government are joining the cooperative effort by contributing skilled personnel, funds, access to information, special studies or other services needed to ensure the successful operation of the center.

Farmers and other individuals wishing to receive the center's periodical publications and be maintained on mailing lists may be asked to contribute a modest sum to cover the costs, but that decision will be deferred until the center gets under way and it is seen how large the demand may be.

Neil Sampson, Executive Vice-President of NACD, said that the conservation Tillage Information Center's major communications tool will be a monthly newsletter announcing the materials and services available from the center. The newsletter will provide the latest news on conservation tillage, giving notice of major conservation tillage meetings, demonstrations and other events, and providing other useful information.

Information materials of an educational and/or technical nature submitted to the center by conservation districts, industry, research centers, government agencies and others, as well as material prepared by the center's staff, will be available at modest fees.

Sampson said it is proposed to establish a speakers' bureau, with a list of speakers willing to address groups on conservation tillage compiled for each state and, where practicable, each county.

A "conservation tillage hot-line" will provide quick telephone access to conservation tillage information available from the center, he said.

The direction of the center will be guided by an eleven-man executive committee, representing the participating companies and organizations. An interim committee has been appointed by the people involved in establishing the center. A permanent committee will be elected at the first annual meeting, to be held in New Orleans in February, in conjunction with the annual meeting of NACD.

USDA studies runoff

ANAHEIM, Ca. — Long-term watershed studies show that no-till culture controls runoff better on soils having a stony, welldrained subsoil than in areas having heavy texture subsoil, USDA's William M. Edwards reported at the American Society of Agronomy meetings recently.

Edwards, an Agricultural Research soil scientist stationed at the North Appalachian Experimental Watershed, Coshocton, Ohio, compared conventional tillage and no-till culture on two small watersheds with similar slopes and topsoils. One watershed had a subsoil consisting of 75 percent broken sandstone. The other had less than 15 percent coarse material in a heavier subsoil.

Runoff measurements were made through several cycles of a corn-wheat-meadow rotation and also under continuous corn, comparing no-till and conventional tillage methods.

Under conventional tillage in the corn-wheat-meadown-meadow rotation, runoff from the watershed with the stony subsoil was 1.8 inches per year compared with 2.5 inches per year from the one with the heavy subsoil. Under a continuous corn no-till treatment, runoff from the watershed having the stony subsoil was 0.2 inches per year and 2.8 inches from the one with the heavy subsoil.

"Under conventional tillage the surface of both watersheds crusted over, increasing runoff during the late spring and summer storms" Edwards said. "Although the heavy textured subsoil reduces infiltration and increases runoff during the late winter and early spring under both tillage systems, erosion from both watersheds was greatly reduced by the no-tillage system."

Planter is vital

LANCASTER — One of the most basically important steps in the evolution of no-till practices in the U.S. was the development of the no-till planter. Previous to its development, farmers were required to modify conventional tillage planters.

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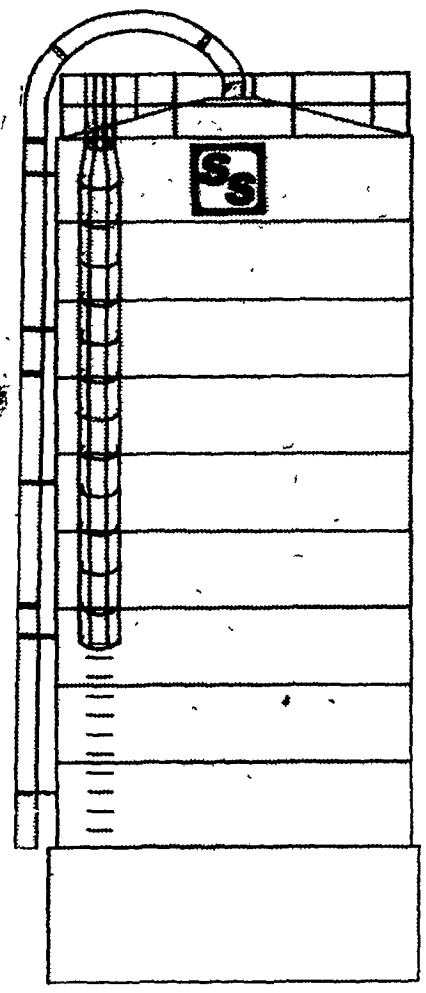

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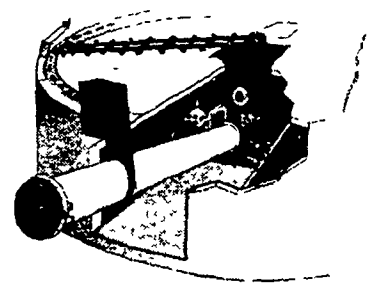

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No-till program

MORNING PROGRAM

8:00 A.M. Visit Exhibits

10:00 A.M. Improving No-Till Forage Seedings
Harlan White
Virginia Polytechnical Institute & State University

Effects of Ag Lime on Pesticide Efficiency
Dr. Nathan Hartwig
The Pennsylvania State University

Problems I Have Seen With No-Till Equipment
Gary Smith
University of Maryland

11:45 A.M. Visit Exhibits

12:15 P.M. Lunch (Must have pre-purchased ticket)

AFTERNOON PROGRAM

1:30 P.M. Nitrogen Fertilization Program for No-Till Corn
Kenneth Wells
University of Kentucky

Control of Resistance Weeds
Ronald Ritter
University of Maryland

Growing Full Season No-Till Soybeans - Can It Be Done?

Cultural Aspects -
Elwood Hatley
The Pennsylvania State University

Weed Control -
John Meade
Rutgers, The State University

3:30 P.M. Visit Commercial Exhibitors

Visit 50 exhibits

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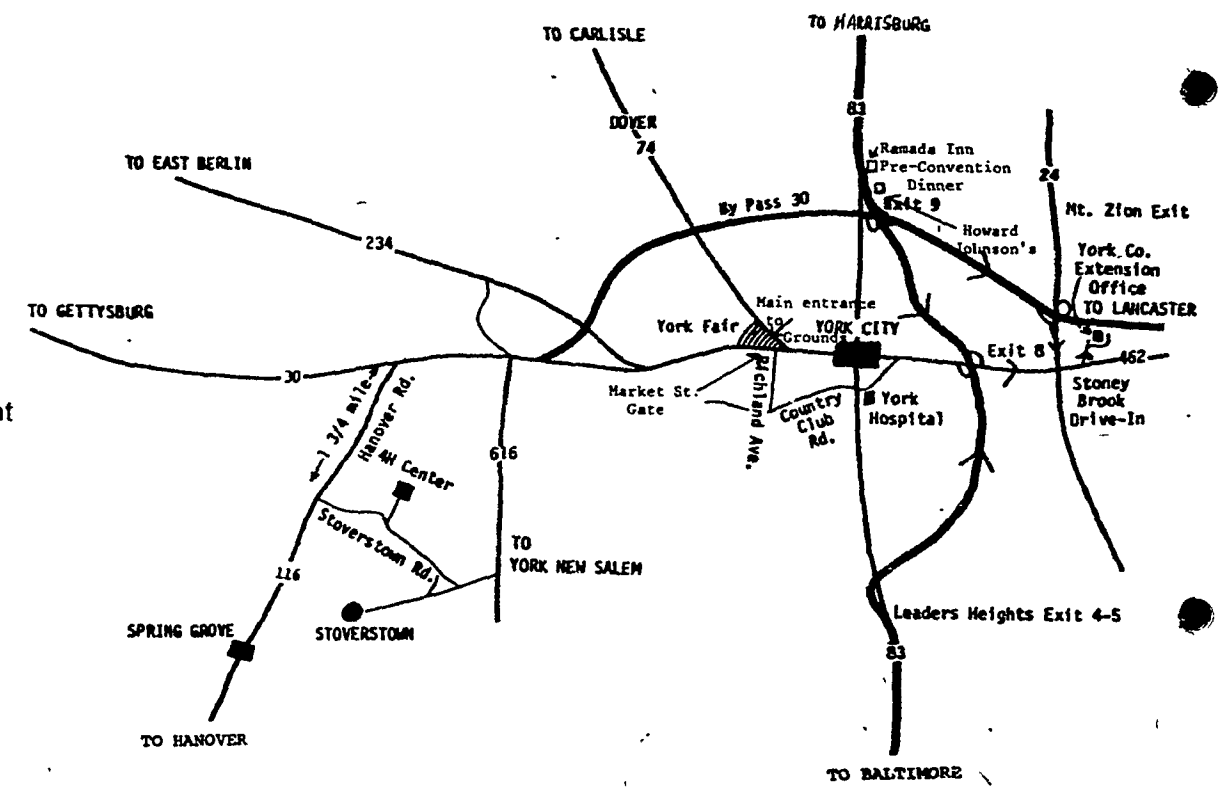
How to get to no-till conference



Delaware develops as no-till leader

By Doris H. Crowley

NEWARK, DEL. — Each year vast stretches of American cropland are plowed in preparation for planting. These well-tilled acres have long been regarded as a sign of our nation's prosperity and the productivity of our agriculture.

But the sight of giant, fuel-guzzling tractors laying open all that land to the elements has come to mean something else to more thoughtful observers. To them, it's a disturbing symbol of waste—waste of precious energy, waste of irreplaceable topsoil lost to wind and rain, waste of the soil moisture needed to make crops grow, and waste of the farmer's valuable time. We can no longer afford such waste.

Of particular concern is the continued loss of topsoil from our nation's cropland. For every bushel of grain shipped abroad to help balance payments for OPEC oil, we lose several bushels of soil to the oceans from many of our farming areas, according to one authority. Fred P. Miller, a soil and water resources specialist at the University of Maryland, estimates that two billion tons of soil are eroded annually from U.S. croplands. Erosion losses average over five tons per acre each year from all U.S. cropland, he says, with losses amounting to between 15 and 30 tons per acre in some places. In other areas, annual losses amount to 100 to 200 tons per acre. Though less spectacular than during the Dust Bowl era, Miller thinks the erosion problem is as bad or worse today.

Since the end of World War II, scientists have been looking for ways to work the soil less when planting crops. Of all the reduced or minimum tillage methods they have developed, the one which causes the least soil disturbance is a technique known as no-tillage, or no-till.

Simple Concept

The concept of no-till is simple. Seed for the current crop is sown in the stubble of the preceding one or in a chemically killed cover crop, using a special planter that opens up the soil only enough to insert the seed. A corrugated flat disc known as a fluted coulter is mounted on the no-till planter just ahead of each seed box. This disc cuts a strip one to three inches wide through the stubble or mulch from the cover crop. The planter places the seed at the proper depth in this narrow seed bed. Press wheels close the ground over the seed.

With this method, there is no need for preliminary plowing and harrowing to prepare a seed bed before planting. Competing weeds are controlled with herbicides, rather than cultivation.

Because no-tillage eliminates several steps required by conventional tillage systems, it cuts down on both fuel and labor needs. At the same time, it shortens the delay between harvest of one crop and planting of the next, thus increasing the land's productivity. By double-cropping (growing two crops in one season), Delaware farmers who use no-till are able to produce as many as five crops in three years in a rotation involving soybeans and small grains like wheat and barley.

Require Less Fuel

Studies at the University of Delaware's Agricultural Experiment Station have shown that no-tillage crop production requires only about one-sixth the horsepower hours, one-fifth the fuel, and one-third the labor used for conventional tillage with plow and disc or harrow. No-till is ideally suited for the very crops which predominate in Delaware—corn and soybeans. What's more, it permits yields equal to or greater than those obtained under cultivation.

From a conservation standpoint, no-till has several advantages. The residue from preceding crops or covers remains on top of the ground after planting. As a mulch, it adds organic matter to the soil, conserves soil moisture, reduces soil temperature, and secures the soil against the action of wind and water.

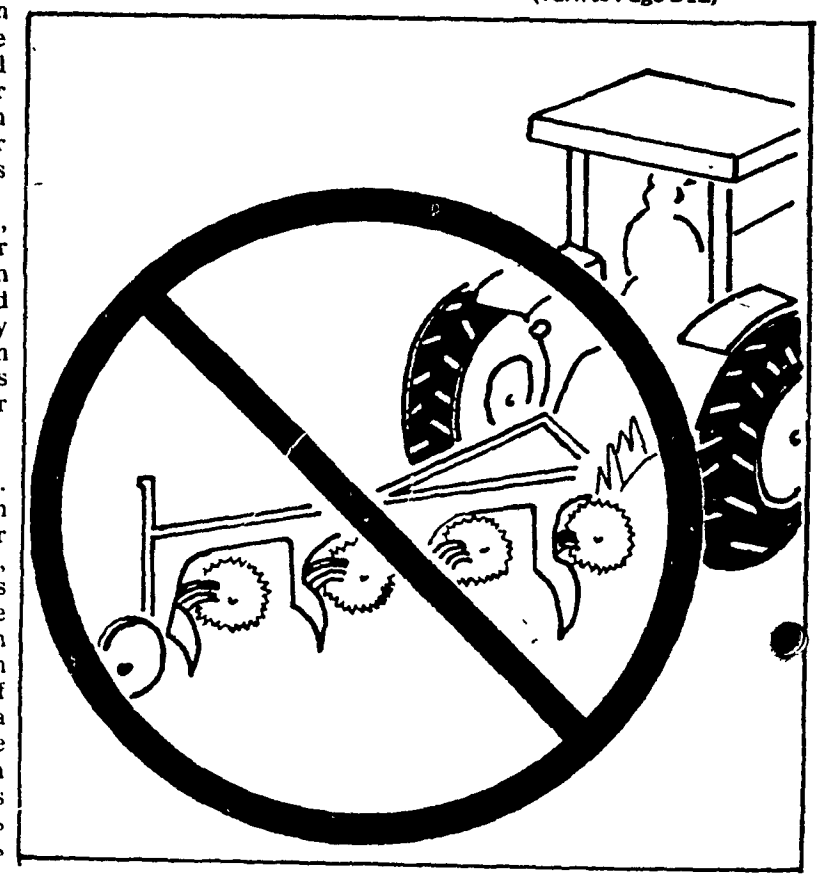
On unprotected sloping land, heavy rains wash soil particles fertilizers, and other chemicals into streams. This erosion process lowers the soil's productive potential by removing the relatively thin layer of topsoil from prime farmland. It also causes water pollution.

There is growing national concern over both problems. "Most people would agree that reduced tillage—preferably no-tillage—is one of the best practices we can use to stop erosion and stream pollution," says William H. Mitchell, an agronomist in the College of Agricultural Sciences and a leading advocate of no-till farming. He says erosion can be reduced from an annual average of five to eight tons of soil lost per acre to two tons or less by switching from conventional tillage to no-till.

Planter, Herbicide

The concept of no-till farming

(Turn to Page D12)



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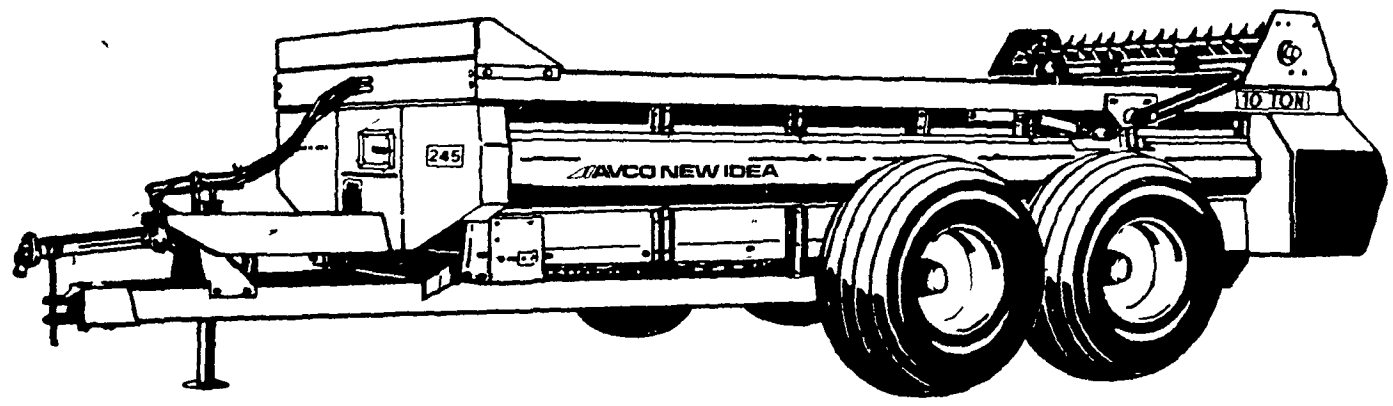

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Delaware no-till

(Continued from Page B10)

did not originate in Delaware. In the 1950's and 60's scientists in Ohio, Virginia, New Jersey and North Carolina, as well as in Germany, France Belgium and the United Kingdom were experimenting with the use of chemicals to replace plowing. The system used today didn't become commercially feasible, however, until farmers had a suitable planter and an effective contact herbicide capable of killing vegetation at the time of planting.

Major developments towards this end took place in Great Britain. In this country, Virginia and Kentucky were among the first states to adopt no-tillage for production agriculture—primarily in order to reduce soil erosion on hillsides.

No-tillage work at Delaware began in 1969, when extension agriculture engineer Thomas H. Williams set about to demonstrate the advantages of this new cropping system to area farmers. Recognizing the potential for savings, he borrowed a no-till planter from a local farm equipment dealer, modified a conventional planter owned by the university, and with these planted an acre each of corn and soybeans at the Georgetown substation.

"We made just about all the mistakes you could make with the first planting of corn," he says. "Yields were low. But our no-till soybeans looked very good. In fact, they came out 10 bushels ahead of *conventionally grown check-plot.*"

The next year Williams joined forces with Mitchell, planting the hybrids in the experiment station's corn variety trials half by no-till and half by conventional methods.

Early Corn Problems

The main problem with those early no-till efforts with corn a Georgetown was the heavy rye cover they tried to plant in. This worked fine on Kentucky hillsides, but on Delaware's flat, sandy soil, the dense, knee-high grass clogged *planting equipment, making* it difficult to sow the seed properly. Williams and Mitchell also discovered that by the time it was chemically killed, the rye had used up much of the moisture from the soil. As a result, corn germination *was spotty and stands were poor.* With many fewer plants per acre, yields were much lower than they should have been. *Once the* scientists switched to other covers or planted in crop stubble, they began to get more promising *results with no-till corn.*

In 1972, Williams arranged to borrow six different makes of no-till planters and used these at the substation farm for a corn demonstration. He published data from this work later that same *year in a bulletin* distributed to interested farmers.

At about the same time, some of the state's leading grain farmers began urging the university to step up it's investigation of no-tillage.

...switching to no-till with vetch represents nearly a 300 percent increase in energy efficiency...

Members of the Delaware Cooperative Extension Service's Crops Advisory Committee expressed eagerness to see the experiment station and extension service take a closer look at the whole matter of reduced or no-tillage systems. The request was reinforced by a grant from the Delaware Crop Improvement Association—another farmers' group.

With this encouragement from the farmers themselves, researchers and extension specialists at the agricultural college joined forces in a comprehensive effort designed to investigate the advantages, problems, and limitations of no-tillage, and to demonstrate its applicability on the Delmarva peninsula. This work was also aided by several grants from Delmarva Poultry Industry, Inc., because no-till looked like a good way to improve local production of the corn and soybeans the industry relies on for broiler feed.

"The uniqueness of Delaware's no-till program in the early 70's was that it was more comprehensive that other approaches," says Williams, who headed up the effort. "We had engineers, agronomists, entomologists, and economists, working together as a team to put together a viable production system. By the mid-70's we had one that could compete with and even outyield conventional systems."

Beans Adopted First

Farmers were quicker to adopt no-tillage for soybeans than they were for corn—no doubt because there were more early failures with corn. Also, many grow soybeans for certified seed. They had found that they had fewer disease problems with their soybeans if they grew them as follow-up to a small grain crop like barley or wheat. Also, by the time the grain came off in early summer, the ground was often so dry they couldn't plow it for their soybeans until after a rain. This meant a potential delay in planting of anywhere from a week to two weeks and often resulted in seriously reduced soybean yields.

With no-tillage, growers could plant without plowing. Because the soil wasn't disturbed, there were often enough residual moisture even under the fairly dry conditions to germinate the soybeans

(Turn to Page D13)

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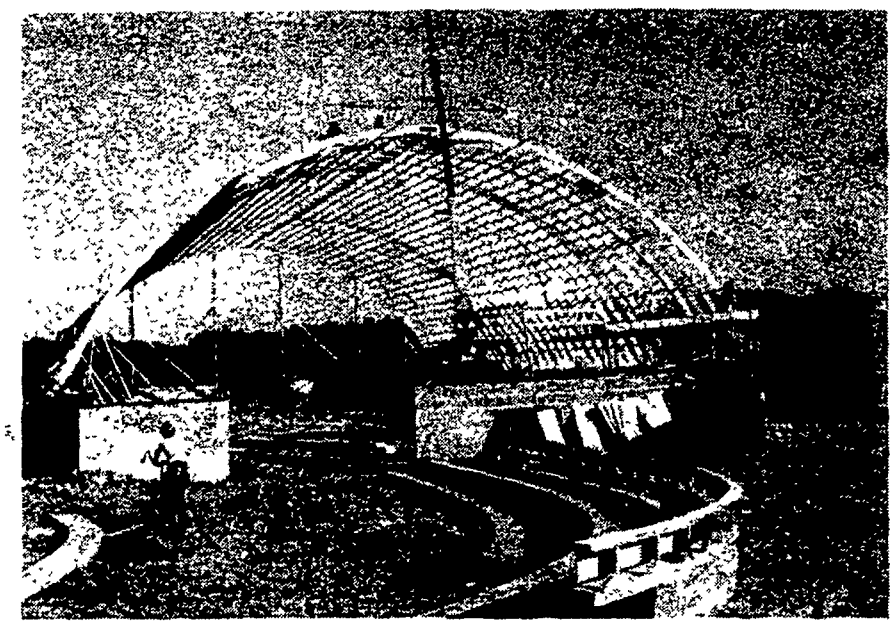

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Delaware no-till

...engineers, agronomists, and economists work to put together a production system...

(Continued from Page B12)

and get them started. As a result, yields on double-cropped soybeans went up and the practice caught on rapidly. Mitchell estimates that today roughly half of the soybeans grown in Delaware are planted after small grains. About 90 percent of these double-cropped beans are no-till planted.

After a halting start, no-till corn production has finally taken off, too. Much of the increase in acreage has occurred in the last three years and there are several explanations for it.

The primary reason is probably the serious drought during the 1980 growing season. "When you see your corn start to shrivel up on conventionally tilled ground while the no-till corn on your neighbor's farm still looks fairly normal, the motivations is pretty good to get into no-tillage," says Mitchell.

The labor saved with this practice is also a strong selling point. A survey in 1977 by the university's Department of Agricultural and Food Economics showed that Delaware farmers who switched to no-till back then considered saving time to be one of the best reasons for doing so. It's easy to understand why. The pre-harvest time required to produce an acre of corn conventionally averages approximately one and a half hours of labor. To produce that same acre of corn using no-tillage takes only 39 minutes.

None of the potential benefits of no-tillage would have carried much weight, however, if Williams, Mitchell and other members of Delaware's no-till team hadn't been able to show that it was possible to get corn yields comparable to or better than those under conventional tillage. For the farmer, the bottom line is profit. And this is closely tied in with yield.

No-Till Recipe

Early in 1979 extension crops specialist Frank Webb assembled all the production information available on the university's no-till demonstrations and field trials and published a bulletin titled: The Recipe for No-Tillage Corn Production.

Designed as a management aid for farmers, the publication covers such subjects as seedbed selection and cover crops, crop rotation systems appropriate for no-till, seeding dates, fertility practices, hybrid selection, planting procedures, and insect and weed control. The booklet, recently updated, is available free from county extension offices. It has been used extensively by local farmers. Webb says he's also received requests for copies from all over the country—especially the Midwest. No-tillage has been slow to catch on out there because of production problems such as heavy soils which are slow to dry out and warm up in the spring. Without plowing these soils to hasten the drying process, farmers have had trouble getting seed to germinate.

At about the same time Webb was putting together his "recipe," Dr. Mitchell (who holds a joint research and extension appointment at the university) received a grant from the Ortho Division of Chevron Chemical Company to prepare another extension bulletin call No—Till Age. So far, 30,000 copies have been printed, the bulk of them purchased by Chevron for international distribution. (The agricultural editor's office at the college is also handling distribution.) The U. S. Soil Conservation Service obtained copies for all its offices across the country. The bulletin's basic message is the energy saving advantages of no-tillage, but environmental benefits are also stressed.

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(Turn to Page D14)

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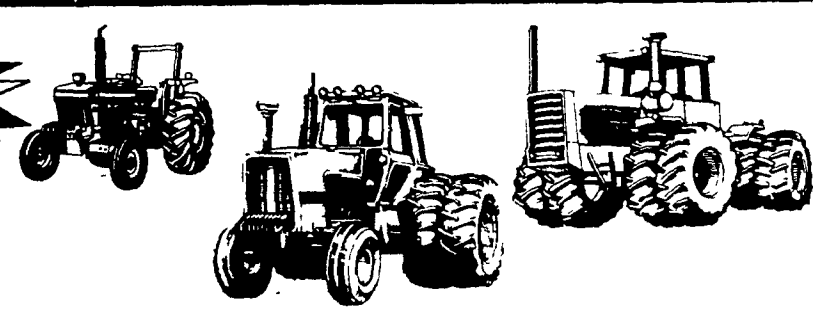

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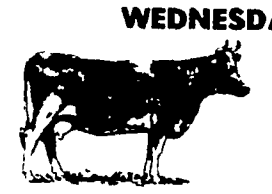

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(Continued from Page B13)

more to sell no-till to Delaware's corn farmers than the potential fuel economy the system also offers. This is probably because the fuel saved in tractor operation represents only a small portion of the total energy required to grow corn. The energy savings are actually much higher if one considers that used to manufacture other farming inputs.

"The biggest energy thief is the nitrogen fertilizer which goes to feed to crop," says Mitchell. "Even when the energy used to pump water, dry the grain and ship it is added, nitrogen is still the greatest energy factor in corn production. It makes up about 32 percent of the total." This is because the production of nitrogen fertilizer requires large amounts of natural gas:

The agronomist has been studying the use of various nitrogen-producing leguminous cover crops as a replacement for commercial nitrogen. One of these covers—hairy vetch—will supply a minimum of 100 pounds of nitrogen per acre. This is roughly comparable in energy value to 22 gallons of gasoline.

Even with 20 pounds of commercial nitrogen added as row fertilizer after the corn is up and growing, the use of a no-till vetch cover reduces the total energy required to grow the crop to about 40 percent of that needed for conventional tillage, he says.

Hairy Vetch

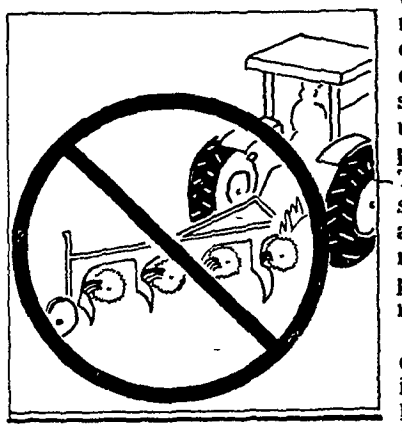
Such a legume cover provides enough nitrogen per acre for a least the first 100 bushels of corn. In fact, in a three-year test at the Delaware Agricultural Experiment Station on loamy sand soil, vetch alone supplied the nitrogen for 120 bushels. "Additional nitrogen, broadcast an ammonium nitrate, didn't increase yields," he reports, "but it did run up the energy bill.

"When viewed on an energy input-output basis using gasoline as an energy gauge, each gallon put into conventional tillage returned 7.7 gallons as grain. Switching to no-tillage with vetch increased the return to 22.6 gallons per gallon invested. This represents nearly a 300 percent increase in energy efficiency," according to Mitchell.

Not only does no-tillage save energy, it can also boost yields. In one recent study at the experiment station, a comparison was made between conventional tillage and no-tillage corn following vetch. Several hybrids and plant populations were compared. Each hybrid was planted at two different plant populations and each received the same amount of nitrogen fertilizer. The no-till corn averaged 115 bushels an acre compared with 75 bushels for the conventionally tilled corn. The 40 bushel increase for the no-tillage system was in part, a result of additional nitrogen made available by the hairy vetch. Moisture retained by the cover-mulch also made it possible to grow more plants. Increasing the plant population under no-tillage from 21,000 to 25,000 plants per acre raised the average yield by 5 bushels. When more plants were added—to conventionally tilled test plots, the average yield dropped by 5 bushels an acre.

Another advantage of leguminous cover crops like vetch is that the nitrogen they supply is in a slow-release form. This is important in light of current concern about leaching losses and the movement of crop nutrients into the ground water.

"The popular notion is that industry is very much interested in no-tillage because large amounts of pesticides are involved. This isn't totally correct," says Mitchell. "Herbicides are indeed substituted for some of the tillage practices. But in most cases there's actually only one new herbicide used—the non-selective chemical applied to kill weedy growth or the cover crop at planting time. And that herbicide is deactivated quickly by the soil.



Better Mulch Crops

"We've made an effort to minimize even this input by developing better no-tillage mulch crops," he says. "These, in effect, serve as a smother crop. They shade the ground and prevent the germination of many weeds." The residual herbicides used for no-till are the same as those used in conventional tillage.

No-tillage is proving itself in another way for Delaware crop farmers. Because of the likelihood of droughts during the growing season, irrigated corn acreage is growing rapidly. With the high cost of energy, it's becoming more expensive to pump water. Growers who irrigate have found that by reducing the water pressure and changing the nozzles on their overhead systems to direct the spray pattern downward instead of up into the air, they can cut their pumping costs by 40 percent. These low pressure irrigation systems, however, increase water application rates. This can lead to runoff. One way to resolve the problem is with no-tillage, which increases water infiltration.

The best measure of the success of the university's no-till program is the adoption of the practice on Delaware farms. Twelve years ago the single acre of corn planted by Tom Williams at Georgetown was just about the only no-till corn in the state. By 1975, 500 acres were planted this way. This past summer, observers estimate that between 70,000 and 80,000 acres—40 to 50 percent of all corn grown for grain—were no-tilled.

Another indication of acceptance in Delaware is current farmer participation in the Agricultural Conservation Program offered by offices of the federal Agricultural Stabilization and Conservation Service in all three counties. Under this program, ASCS shares with growers part of the cost of adopting tillage practices which benefit the land. During the late 60's and early 70's when the New Castle County ASCS office offered to pick up part of the cost of no-till corn production, there was so little interest that the offer was withdrawn.

ASCS Promotion

This year the agency reintroduced the program, offering to pay part of the cost of the additional chemicals used to no-till crop a limited number of acres per participating farm. This time the response was very good. ASCS offices in Kent and Sussex counties report similar response.

The New Castle ASCS office is also promoting no-tillage corn production under the Rural Clean Water Program. A federal program supported jointly by funds provided by the Environmental Protection Agency and the U.S. Department of Agriculture, its purpose is to control water pollution from agriculture. During 1980, the first year the program was in effect, thirteen projects were approved nationally, including the one in Delaware. Each is scheduled to run for ten years.

The New Castle County project involves 20,000 acres of cropland in the Appoquinimink watershed, extending from Mt. Pleasant south to Townsend and east to the Delaware River. Over 65 percent of the farms in the watershed area—representing 20 percent of the corn grown in the county—are now under contract to use conservation methods such as no-till. This is the highest level of participation of any of the 13 projects. By their third year, each project must have achieved 75 percent farmer participation. It is unlikely that Delaware growers would be willing to commit themselves to such a program if they felt there was a risk of reducing yields by doing so. Extension and research personnel at the university continue to provide the expertise and advice necessary to guarantee success.

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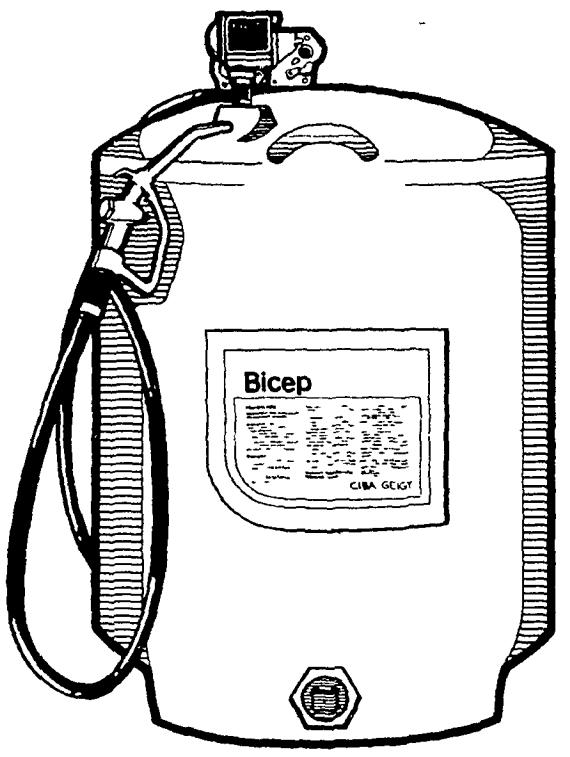

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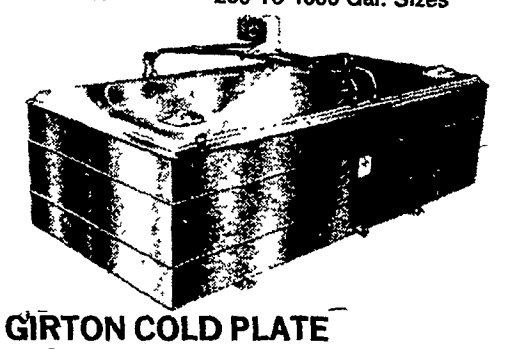

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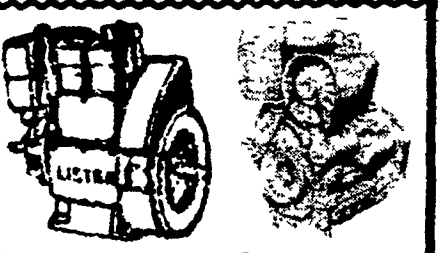

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York County DHIA Monthly Report

Pennsylvania Dairy Herd Improvement Association

YORK COUNTY DHIA
October, 1982

1207 lbs. BF and 26,620 lbs. milk was produced in 305 days by Alice a 6 year old Holstein owned by Smyser's Richlawn 2691 E. Berlin Rd. York. Second high was Tara a 7 year old Holstein who produced 1104 lbs. BF and 33.278 lbs. milk in 305 days, owned Smyser's Richlawn Farms.

High herd was Smyser's Richlawn with 67 Holstein cows producing 21,853 lbs. milk and 788 lbs. BF. Second high was Lynn Wolf, R1 Abbottstown with 54 Holstein cows producing 20,997 lbs. milk and 788 lbs. BF.

OWNER	BREED	NO. COWS	% DAYS IN MILK	LBS. MILK	LBS. FAT
Smysers Richlawn Fms	3	67.1	87.8	21,853	788
Lynn Wolf	3	54.3	90.5	20,997	788
Avalong Farms Inc.	3	29.8	88.5	19,362	748
Jim McCafffree	3	38.8	85.0	21,169	740
Paul R. King	3	45.4	87.2	18,149	717
Geo. Knight	3	112.8	90.7	19,405	716
Willim Myers	B3	38.3	87.0	19,405	707
H.S. & R.E. Fetrow	3	77.7	86.5	18,780	702
Thomas A. Boyer	3	40.3	85.2	19,707	702
Wayne E. Myers	3	41.6	82.4	18,730	698
The J E Baker Co.	B3	40.4	84.1	19,321	689
Beshore Farms	3	45.6	84.7	19,156	688
Leonard W. Greek	3	29.2	84.9	17,744	684
Rick L. Cook	B3	57.0	86.7	17,574	675
Stump Acres	B3	95.1	91.8	18,406	672
Sinking Spring Fm Inc.	3	68.0	85.3	18,515	672
David Stewart	3	108.8	88.8	18,514	667
Wayne B. Mummert	B3	70.6	86.0	17,815	657
Melvin R. Lehr	B3	45.5	83.8	17,278	645
Fawn Meadow Holstein	B3	66.0	87 4	17,605	642
William Ruppert	B3	51.6	87 1	17,825	638
B. Robert Charles	B3	46 7	86 0	17,900	632
Rineway Dairy Farm	B3	98 5	87 2	16,676	624
Earl Fuhrman	B3	82 0	86.1	16,591	624
Daryl L. Bair	G3	40 2	87 4	18,108	622
Mc Ral Dairy Farm	B3	137 9	92 0	18,740	622
Ellis Crowl	B3	97 8	85 8	16,753	619
Titus Walker	G3	36 2	86 9	16,050	612
T Edwin Johnson	3	57 8	86 0	16,391	611
Smokey Hollow Farm	G3	33 1	88 2	16,943	609
Kenneth L. Rexroth	B3	109 6	85 3	16,436	608
R.R. & M.R. Stewart	3	48 3	91 2	16,368	604
Gum Tree Farm	3	41 2	87 9	17,221	599
C. Robert Kilgore	B3	46.0	88 9	16,885	597
Leland Stanford	B3	35 1	86.6	17,115	594
Hidden Springs Farm	B8	84.6	84.5	15,084	594
Honeycrest Fm	B2	99.5	86 9	13,588	593
Walnut Hill Farm	B8	41.6	85 8	17,482	593
Edwin L. Calhoun	B3	41.7	87 1	16,740	592
Fred Sprenkle	3	37.5	83 7	17,248	590
Double D Farm	B3	96.4	84.3	15,943	590
Harold Brown	3	71.6	83 7	16,041	588
Elvin G. Molison	B3	140.0	84.1	16,102	586
J.H. & M.B. Hushon	B3	97.6	87 3	16,550	583
Horace E. Heindel	B3	117.7	85 6	16,553	579
Walkers Farm	B3	76.2	87 1	16,436	575
Leroy Bupp	3	93.5	85 6	17,359	572
Big T Holsteins	B3	87.9	83 9	16,681	572
Richard E. Stough	B3	35.8	86.9	15,571	564
Rutter Bros.	2	82 1	85 7	11,709	564
Leroy Hertzler	B3	27 9	90 7	15,229	560
Phillip D. Laughman	3	31 5	86 0	15,490	560
Rodman C. Thompson	3	60 9	84 4	15,970	556
J. Connell Taylor	B3	104 2	86 1	15,458	551
John P. Bortner	B3	27 1	87 3	14,637	548
Dennis J. Myers	3	51 1	85 8	15,436	548
Dale L. Barshinger	B3	38 4	81.5	14,808	545
Wayne L. Sweitzer	B3	87.2	85 4	15,222	542
Mervin W. Hertzler	2	66 5	87 4	11,683	538
Avalong Farms Inc.	2	38 9	85.1	12,167	536
Robert W. Mays	B3	66 4	88 4	15,517	535
David M. Emig	B3	57.9	87 2	13,334	535
David & Chris Druck	B3	72.6	81.7	16,684	534
Perrydell Farms	G3	174.2	83.9	14,525	530
Lonnie Robinson	B8	10.6	75.4	16,067	530
Elwood T. Krick	B3	83 9	90 5	13,802	527
Albert Dehoff	B3	140 3	87.8	14,020	526
Jacob Brubaker	B3	54.5	84.6	14,635	525
Robert Buser	B3	74 9	85.6	15,682	523
Eisenhart Bros	B3	73.6	88 9	13,973	521
David V. Thompson	B8	78.6	80.8	13,592	521
R & M Farms	G3	36.5	89.1	13,502	521
John C Krone	B3	41 1	85 5	15,070	520
John D Adams	B3	74 2	84 2	14,434	520
Carl Anderson	B3	59 3	84 9	13,871	520
Robt Baumgardner JR	B3	54 7	82 9	14,264	516
Ramsey S. Cooper JR	B3	63 7	86 1	14,495	516
Phillip R Stambaugh	3	58 6	86 8	13,716	515
Willim H Fantom	B3	62 9	83 8	13,679	513
Desota & Robt. Burchett	B3	107 6	88.9	14,368	512
Donald Lanius	B2	89 6	85 4	10 640	510
Dennis L McWilliams	B3	59 4	84 7	15,281	506
Deal Holsteins Farm	B3	106 1	86 2	13,569	505
John H Doll Jr	3	34 6	86 8	15,712	504
Charles Her & Son	B3	50 0	85 6	13,748	503
Furnace Creek Farm	3	110 4	85 8	14,417	503
Albert Neufeld	B3	109 9	84 2	13,310	502

OWNER NAME OR NO.	BREED	AGE	DAYS IN MILK	LBS MILK	% FAT	LBS. FAT
Geo Knight						
Carrie	3	9-9	305	22,510	3 5	784
Angela	3	6-3	305	26,347	3 7	981
31	3	5-4	296	16,051	3 9	620
39	3	5-6	296	16,550	3 2	524
Kelly	3		305	25,989	3 3	860
Fawn Valley Farm						
Kay 87	3	4-0	259	15,627	4 0	620
Justs 35	3		295	16,261	3 4	550
David V. Thompson						
P 4	?	5-11	305	16,246	4 1	658
P 24	3	5-2	305	20,125	3 3	658
P 37	3	4-10	305	18,489	4 0	731
165	3	5-2	305	19,130	3 3	628
176	3	4-6	305	15,713	4 1	643
P 56	3	3-2	305	15,757	3 6	561
SAM	3	5-7	290	16,055	4 4	707
P 57	3	3-4	305	13,558	4 0	536
P 66	3	3-5	305	13,889	3 8	521
P 60	3	3-7	305	16,525	3 9	646
P 63	3		305	16,327	3 4	553
190	3	4-2	299	15,127	4 0	603
William H Fantom						
15	3	13-0	305	16,316	3 3	536
Edith 2	3	10-2	305	18,193	3 8	695
583	3	8-1	305	14,726	3 8	564
Babe	3	6-2	305	16,315	3 3	535
44	3	4-11	305	21,597	3 1	667
W 16	3	9-2	305	22,265	3 9	878
B 48	3	8-4	241	14,684	3 9	579
B 62	3	6-7	305	18,887	3 7	697
R 71	8		277	20,064	3 4	683
R 78	3		281	19,104	3.2	612
127	3		205	12,345	4.6	573
43	8		305	17,659	4 0	713
46	3	3-7	256	13,176	4 0	531
141	3	2-4	305	13,039	3 9	507
97	3	1-11	305	16,619	3 2	531
144	3	2-4	305	16,563	3.6	603
H-104	3	2-1	270	13,648	3 7	502
Donald Lanius						
Effie	2	6-6	305	14,973	4 5	678
Frieda	2	5-4	305	11,792	4 6	538
Jan	2	5-0	303	10,772	5 0	541
Lucy 2	2	3-2	305	9,901	5 1	501
Betty 2	2	3-1	305	12,343	5 0	617

(Turn to Page D16)

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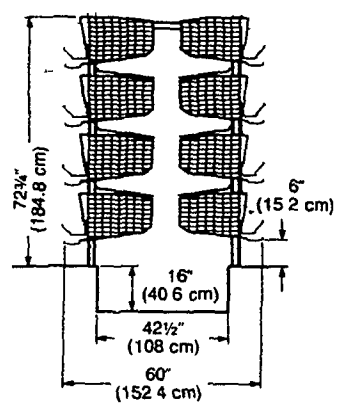
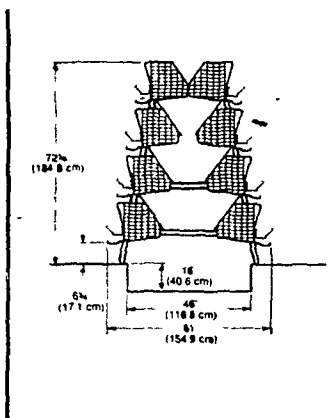
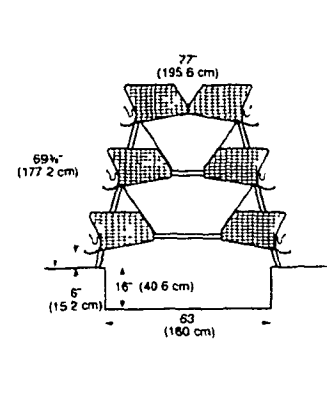


Model 811
4 High
4 Rows-200' - 28,800 Birds
4 Rows-300' - 43,200 Birds
6 Rows-400' - 86,400 Birds



Model 834
4 High
6 or 7 Birds/Cage



Model 809
3 High
9 Birds/Cage

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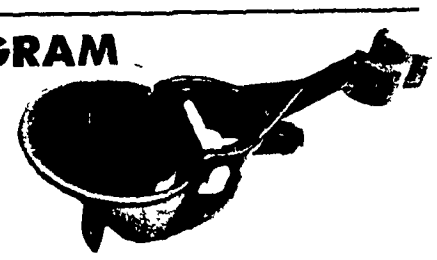

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York Co. DHIA

(Continued from Page D15)

Mable	2	2-2	305	12,397	4 9	605
Glory	2	2-2	305	10,708	4 9	528
Sinking Spring Fm Inc						
Jennie	3	3-5	305	18,791	4 2	794
Mae	3	3-6	305	20,303	3 5	720
Midge	3	3-3	305	19,460	3.2	623
Joyet	3	3-0	282	18,884	3 5	655
Wanda	3	2-0	305	18,312	3 7	683
Lorna	3	2-4	305	20,009	3.2	635
Lydia	3	2-1	305	17,344	4 2	730
Rutter Bros						
Lav	2	8-3	284	12,090	4 2	508
Lil	2	9-9	305	14,494	4 9	715
Pearlet	2	5-4	298	13,048	4 9	636
Babe	2	7-8	305	13,249	5 1	676
Page	2	4-4	305	14,036	4.7	665
Phyllis	2	4-10	305	14,007	5 0	706
Maribel	2	3-3	305	10,533	5 2	548
Beshore Farms						
Jody	3	3-9	305	23,161	3 9	905
Audrey	3	3-8	292	15,180	4 3	657
Jolly	3	2-5	286	15,371	3 6	557
Joyce	3	2-4	285	14,536	3 4	500
Leroy Hertzler						
Matty	3	5-11	277	17,304	3 4	590
Harold Brown						
Kristi	3	9-2	305	17,714	4.0	715
Desire	3	8-3	305	17,388	3 2	548
Bea	3	5-8	305	17,404	3.9	672
Jamie	3	2-4	305	16,499	4 0	666
Gum Tree Farm						
Velvet	3	9-5	305	21,689	3 0	653
Whizzer	3	8-1	305	17,413	3 8	654
Alix	3	6-3	305	19,856	4.0	802
Derry	3	3-2	291	17,193	3.1	533
Ellenna	3	2-10	305	20,706	3 7	775
Albert Dehoff						
120	3	8-3	305	18,912	3.3	630
201	3	6-4	305	19,543	4.0	791
227	3	5-5	297	15,667	3.3	510
228	3	5-4	305	20,284	3 8	766
233	3	5-4	294	14,219	3.7	529
238	3	5-4	305	16,397	3.4	552
259	3	5-0	305	19,163	3.7	711
306	3	3-3	305	14,427	4.0	579
309	3	3-3	305	14,099	3.6	501
321	3	3-2	305	16,469	3.9	639
335	3	2-11	293	14,578	3.9	562
332	3	2-10	305	16,158	3 3	541
339	3	3-3	305	16,058	4.4	708
382	3	1-10	305	14,516	4.0	585
Elwood T Krick						
Kim	3	6-0	206	9,696	3.7	358
Jackie	3	5-11	305	14,122	4.1	586
23	3	3-11	305	14,988	3 9	583
25	3	3-6	305	15,763	3.6	572
Fred Sprenkle						
Maggie	3	5-9	305	21,485	3.7	795
Whiz	3	5-0	305	18,070	3.9	708
Princess	3	2-9	298	16,453	3.3	541
Baggie	3	2-0	305	17,805	3.7	666
Doug & Gene Kilgore						
Kandy	3	3-5	305	16,184	4.1	658
Violet	3	2-3	305	14,256	4.4	628
Sindy	3	2-3	305	14,682	3.5	517
Brandy	8		289	13,499	3.9	531
Thomas A. Boyer						
Effie-K	3	1-11	305	18,186	4.0	734
Ellen	3	2-4	305	18,597	3.2	600
Earl Fuhrman						
Tracy	3	11-0	305	19,618	3.3	652
Juno	3	8-1	305	18,583	3.7	686
Flash	3	8-1	305	18,305	3.7	684
Whitie	3	8-1	305	18,815	3.8	708
Cela	3	6-11	305	23,293	3.8	878
Steffy	3	6-11	305	19,435	3.7	716
Tam	3	6-7	305	18,445	3.6	668
Vanella	3	5-2	305	19,761	3.6	714
Chime	3	5-1	305	17,117	3.8	654
Maple	3	4-8	305	21,459	3.4	720
Gina	3	4-8	305	20,000	3.5	703
Ideal	3	5-7	305	16,094	4.1	654
Echo	3	3-2	305	15,988	3 4	540

(Turn to Page D17)

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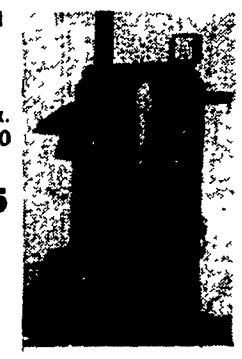

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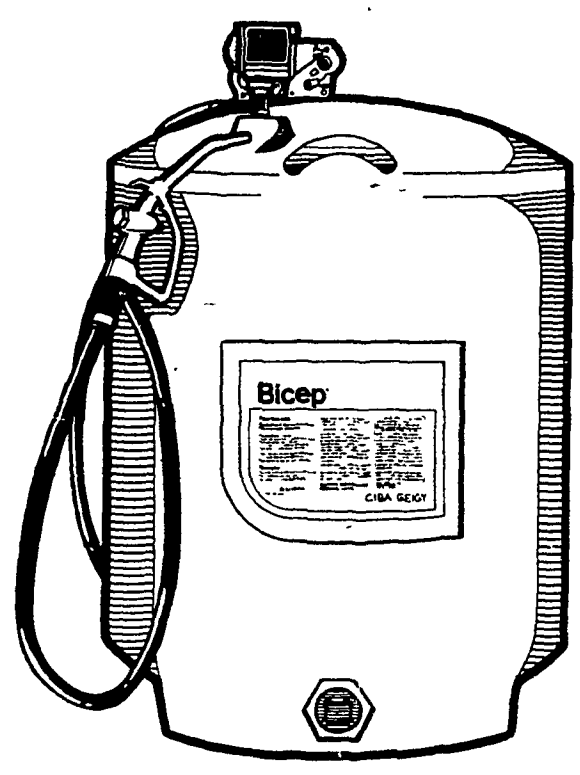

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York Co. DHIA

(Continued from Page D16)

Spice	3	2-0	305	15,307	3.6	549
Maybel	3	2-2	305	15,896	3.4	538
May	3	2-2	305	19,174	3.3	639
17	3	2-3	303	16,590	3.9	643
Twinky	3	2-3	296	14,794	3.5	521
Valisa	3	2-4	305	14,342	3.8	544
Furnace Creek Farm						
Bertie	3	9-2	279	19,849	3.0	593
Ardel	3	6-0	305	20,919	3.6	758
Margolo	3	5-10	293	15,768	4.0	627
Rhoda	3	5-5	305	15,463	3.5	535
Lois	3	5-0	305	17,367	3.5	601
Leona	3	4-11	276	18,321	3.3	605
Jennifer	3	4-8	305	21,497	3.6	783
Mural	3	3-2	305	17,988	3.7	670
Alvina	3	3-10	284	17,750	3.1	544
Carrie	3	3-0	305	17,022	3.1	533
H.S. & R.E. Fetrow						
Queen	3	8-5	305	19,594	3.3	653
Echo	3	6-9	305	23,615	4.1	971
Hanna	3	6-8	305	26,729	3.3	877
Stella	3	6-0	305	25,722	3.4	875
Misty	3	6-1	305	21,226	4.5	958
Judy	3	5-6	305	23,003	4.1	950
Bonnie	3	4-5	305	21,634	4 0	868
Chief	3	4-4	302	17,119	4.2	711
Pam	3	4-5	305	16,404	4.6	748
Lora	3	3-6	305	20,228	3.2	655
Mayview	3	3-1	273	14,105	3.8	542
Sun-Kay	3	2-7	305	17,789	3.8	676
Jewel	3	2-5	305	19,450	3.5	685
Rodman C. Thompson						
Ilene	3	6-4	305	20,117	3.5	701
Marggie	3	5-6	305	19,213	3.5	668
Maggie	3	2-1	305	15,753	3.6	565
Stump Acres						
Rita	3	9-8	305	15,885	4.1	651
Miscela	3	8-8	305	16,106	3 8	617
Mona	3	8-3	305	19,142	4.0	767
Nomi	3	7-8	305	17,594	4.3	748
Ajet	3	6-7	305	25,893	3.3	842
B	3	5-0	305	14,951	3.7	547
Jan	3	4-3	305	22,453	3.1	687
Ante	3	4-2	305	19,042	3.3	629
Darlena	3	4-4	305	12,805	4.0	510
Retha	3	4-0	305	20,389	3 3	666
Jetmoon	3	3-10	305	17,014	3.2	539
Yvette	3	2-1	305	16,481	3.3	546
Lydia	3	3-9	305	16,662	3.5	585
Jetpet	3	3-6	305	21,424	3.3	703
Shelby	3	3-4	305	15,620	3.3	518
Georgia	3	3-3	305	13,143	3.9	510
Alva	3	3-2	305	20,047	3.5	693
Cjet2	3	3-1	305	15,294	3.6	547
Armena	3	1-11	305	12,611	4.4	549
Dixiele	3	1-11	305	14,338	3.8	547
J.H. & M.B. Hushon						
150	3	7-8	305	22,053	3.8	838
83 H	3	5-1	305	16,810	3.9	655
501	3	3-2	305	16,837	3.4	574
80 H	3	3-3	305	17,420	3.9	671
89 H	3	3-4	267	13,581	3.7	502
78 H	3	3-2	304	20,473	2.9	591
120 I	3	2-3	305	18,002	3.1	562
96 I	3	2-2	305	16,516	3.2	535
141 I	3	2-1	305	15,260	3.8	574
Rineway Dairy Farm						
178	3	6-1	297	21,280	3.5	750
244	3	3-0	296	14,893	4 0	598
R.R. & M.R. Stewart						
Jenny	3	9-1	305	22,178	3 6	791
Nugget	3	8-1	305	20,672	3 2	665
Smysers Richlawn Fms.						
Tara	3	7-0	305	33,278	3 3	1104
Alice	3	6-0	305	26,620	4 5	1207
Vivian	3	4-5	305	20,303	4.2	855
Gigi	3	3-6	305	23,381	3 5	817
Fancy	3	3-0	305	21,530	4.2	915
Darlene	3	3-0	305	20,284	3.1	621
Loretta	3	2-2	305	16,653	4.4	728
T. Edwin Johnson						
Colanth	3	8-10	305	21,011	3.5	744
Doris	3	8-8	305	20,497	3 6	745
Tippy	3	4-10	305	17,370	4.2	738
Chat	3	4-4	305	23,592	3.2	756
Jen P	3	5-7	305	17,524	4.2	743
Marge	3	4-6	243	14,997	3.8	563
Cory	3	2-0	305	17,973	3 9	706
Perfect	3	2-0	305	16,489	3.1	517
Leroy Bupp						
Effie	3	6-6	305	22,788	3 7	850
Miss	3	6-10	236	16,518	3 3	538
Sis	3	3-1	299	16,329	3 6	586
Sandy	3	3-3	305	15,597	3.5	549
Pal	3	1-10	305	17,781	3 0	540
Hidden Springs Farm						
Heather	3	8-4	305	17,988	3 9	705
Lee	3	6-3	305	20,296	3.6	737
Darlene	3	6-5	305	20,487	4 1	833
Bernie	3	5-6	305	21,009	3.8	789
Willow	3	5-3	300	17,591	4.8	837
Ronnie	3	5-4	305	18,520	3.4	625
Nicky	3	4-9	305	18,579	3.7	683
Sue	3	4-2	297	14,917	4 5	670
Robina	3	4-0	305	15,155	4.0	613
Libby	3	4-2	282	16,323	4 0	654
Opra	3	3-0	286	14,460	3.8	552
Dennis L. McWilliams						
67	3	7-4	305	21,469	2 7	576
204	3	5-8	305	13,209	3 8	508
30	3	6-1	305	20,355	3 6	737
Palmer McWilliams Jr						
162	3	5-2	305	21,958	3 3	725
5	3	4-5	305	17,518	3 6	623
44	3	3-5	305	19,341	3.5	676
Dennis J. Myers						
Beauty	3	7-2	305	16,081	4 1	661
Titus Walker						
9993	3	4-2	305	17,007	3 4	574
C. Robert Kilgore						
Brendab	3	6-9	301	15,928	3 6	575
Jean	3	4-9	305	18,830	3 2	607
Connie	3	4-3	305	21,701	3 2	701
Holy	3	3-2	305	16,636	3 7	621
Fancy	3	2-5	305	16,132	3 9	629
Mary	3	2-7	305	15,519	3.4	527
Phillip D. Laughman						
Dana	3	3-2	302	16,093	3.3	528
Philip R. Stambaugh						
Pansy	3	9-5	241	14,193	4 9	694
Hester	2	7-6	271	16,439	3 8	622
Selma	3	5-11	305	16,348	3.8	620
Tinker	3	3-0	305	15,147	3.5	527
Wayne B. Mummert						
42	3	6-10	305	19,678	3.4	678
57	3	5-6	284	19,194	3.7	708
23	3	4-8	305	19,826	4.3	848
2	3	5-0	266	15,691	3.3	516
61	3	4-1	305	18,744	3.8	715
10	3	3-11	305	15,863	4.5	713
9	3	3-0	305	21,963	3.3	725
3	3	2-11	305	17,290	3.7	641
55	3	2-0	305	15,459	3.7	569
Desota & Robt Burchett						
26	3	9-3	303	12,332	4 3	527
35	3	5-5	305	16,058	3 5	565
70	3	5-11	305	16,175	3 8	612
Dale & Darla Doll						
Jenny	3	10-8	305	20,673	3 3	683
Ruth	3	7-0	305	19,631	3 1	616
Debbie	3	5-11	305	15,847	3 7	585
April	3	4-3	305	21,359	3 8	801
Stella	3	3-5	305	12,773	4 1	519
Violet	3	2-1	305	14,066	3 7	514
D Fantom & E Gordon						
Snowball	3	8-1	305	18,629	4 0	746
Lynn Wolf						
Heidi	3	4-10	305	25,543	3 6	929
Holly	3	4-2	305	21,489	3 7	801
Imogene	3	3-2	305	23,012	3 9	908
Ramsey S Cooper Jr						
Kelly	3	4-11	293	13,195	3 9	521
Curly	3	6-7	287	13,491	3 9	524
Dell	3	4-11	292	12,947	3 9	500
Rose	1	4-7	305	16,212	3 7	601
Martha	3	3-11	275	14,919	3 4	502
Melvin R Lehr						
1	3	6-8	305	19,393	4 4	850
20	3	4-7	305	19,133	3 0	571
Horace E Heindel						
163	3	9-3	288	17,168	3.6	610
182	3	8-3	305	15,966	3.6	581
183	3	8-3	305	18,215	3 9	714
190	3	8-5	305	21,039	3 7	779
12 A	3	7-7	305	19,689	4 1	807
56 A	3	5-9	305	19,392	3 7	719
142 A	3	5-7	284	22,830	3.1	700
159 A	3	5-5	270	19,475	3 4	662
196 A	3	5-3	305	22,317	3 1	698
30 A	3	4-4	286	18,363	3 4	617
195 A	3	4-3	297	18,376	3 2	580
185 A	3	4-4	305	22,246	4 0	884
72 A	3	3-5	295	16,288	3 5	577
80 A	3	3-2	280	20,895	3 6	752
86 A	3	3-2	305	14,635	3 7	540
87 A	3	2-11	305	17,590	3 6	625
118 A	3	2-4	305	16,421	3 2	533
99 A	3	1-11	305	14,959	3 8	574
13 B	3	2-1	305	16,652	3 6	595
186 A	3	2-1	305	15,422	3 9	601
74 A	3	2-0	305	16,365	3 7	607
112 B	3	2-6	305	15,538	3 5	542
Carl Anderson						
28	3	3-2	305	16,938	3 6	605
60	3	5-1	293	15,023	3 6	538
Elvin R Deiter						
QSilver	3	3-8	305	16,134	3.6	582
Quiet	3	3-6	305	15,920	3 2	517
Fred Kimmel						
Erma	3	3-4	305	15,626	3.4	526
John H Doll Jr						
Elsie	3	7-3	305	23,364	3 0	690
Charles Herr & Son						
Susie	3	6-2	305	18,787	3 2	594
April	3	4-8	305	15,322	3 6	559
Pearl	3	3-10	305	18,954	3.9	737
Flurry	3	3-0	305	15,761	3.4	537
Wayne L Sweitzer						
60	3	10-4	305	19,572	3.6	700
Ivy	3	8-6	305	19,044	3 2	603
Jenny	3	4-1	305	16,567	3 4	568
Annette	3	3-5	305	19,694	3 2	625

(Turn to Page D18)

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SAVE $8.00 PER MAT ON OUR FREE INSTALLATION OFFER NOW THROUGH FEBRUARY. MINIMUM - 24 MATS.

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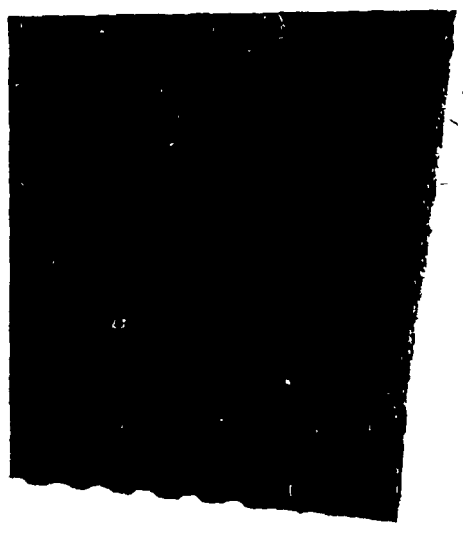
42x60	43x69	48x72
42x64	43x64½ (Parlor Mat)	54x65
42x68	48x60	54x72
42x72	48x65	
43x65	48x66	

10 YEAR WRITTEN WARRANTY



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_____
Phone _____

York Co. DHIA

(Continued from Page D17)

91	3	6-3	305	22,959	3 4	781
8	3	6-5	294	14,776	3 8	560
Nifty	3	2-4	262	10,198	4 0	406
Kenneth L Rexroth						
34	3	11	305	15,897	4 7	745
98	3	6	305	20,610	4.1	847
2	3		305	24,884	3.0	744
60 A	3	-	305	17,677	3 3	591
62 A	3		305	19,462	3 7	721
111 A	3	-	290	16,497	3.3	542
Donald Wilson						
73	3		287	14,968	3.9	582
43	3	5-2	299	15,844	3.6	572
4	3	5-3	305	15,162	3.8	573
13	3	3-10	305	15,045	3.3	501
Richard E. Stough						
Patti	3	2-4	305	15,333	3 6	559
Rick L Cook						
Belle	3	8-1	305	21,060	3.1	661
Petal	3	6-1	305	22,740	3 4	779
Lady	3	5-7	305	21,130	4 1	870
Beets	3	4-5	295	19,688	3.2	638
Perform	3	3-10	305	18,945	3 8	729
Orbit	3	2-0	292	14,147	4.1	574
J Dennell Taylor						
Dusty	3	6-3	284	20,729	3 3	676
Lory	3	5-7	305	22,191	3 1	681
Jody	3	5-1	305	17,436	3 3	582
Connie	3	5-0	305	19,729	3 4	680
Bupplynn Farms Farm2						
24	3	6-6	269	14,875	3 5	522
Cashmer	3	7-4	305	15,927	3 5	556
11	3	2-4	305	13,509	4 0	544
Ginny	3	3-3	305	15,246	3 4	515
78	3	4-11	305	17,481	4.1	721
Beaut	3	3-0	223	12,987	4 1	532
Crissy	3	4-0	305	18,413	3 3	603
Elvin G Molison						
81	3	5-7	294	18,872	3.2	605
123	3	3-5	305	18,474	3 9	722
Daryl L Bair						
Galena	3	7-5	305	16,861	3 4	569
5	3	7-9	251	17,123	3 3	567
Smokey Hollow Farm						
56	3	4-10	305	22,006	4 1	908
62	3	5-0	305	19,533	3 3	651
Honeycrest Fm						
Aster	2	8-10	305	17,466	4 0	694
31	2	9-4	305	14,953	4 8	724
Celia	2	5-10	304	12,473	5 0	625
Tdlilly	2	5-3	305	16,185	4 7	763
Sunny	2	5-3	305	18,518	4 2	781
G Polly	2	4-6	305	22,352	3 6	813
7	2	3-9	305	13,652	4 8	651
Daycrem	2	3-4	303	12,766	4 6	592
Toast	2	2-0	289	13,073	4 3	562
Cee	2	1-11	304	11,981	4 5	543
Mervin W. Hertzler						
Sadie	2	3-11	296	12,879	4 9	632
Heidi	2	3-6	297	11,262	4 7	527
Leonard W Greek						
Jet 2	3	7-0	292	13,969	4 3	594
Blossom	3	7-2	305	18,777	4 4	828
Jessica	3	4-1	305	19,208	4 0	775
Gary W Thoman						
Dana	3	6-9	305	13,465	3 8	518
Hopeful	3	5-7	305	16,853	3 2	534
Petunia	3	4-2	305	19,031	3 6	687
Vickie	3	3-4	305	16,408	3.7	605
B Robert Charles						
Evie	3	3-8	300	19,640	3.4	675
Dancy	3	4-1	287	20,269	3 1	633
R & M Farms						
17	3	6-5	305	16,480	3.4	559
44	3	7-5	305	13,472	3 8	510
37	3	5-2	280	13,479	4.1	547
Laverne & Judith Hess						
23	3	5-2	258	13,579	4.1	558
36	3	4-5	305	12,412	4.0	501
Edwin L. Calhoun						
37	3	4-2	305	16,740	3.9	650
Bubbles	3	2-0	305	15,455	3.4	530
Clarence E. Bange						
Wanda	3	5-2	305	19,115	3 6	683
Robert W. Mays						
36	3	4-2	305	16,191	3 2	520
R-71	3	1-11	305	16,613	3 0	506
David L & Chris Druck						
28	3	5-2	301	20,520	2 5	516
66	3	5-1	284	23,692	2.6	618
70	3	5-2	284	18,265	3 5	636
110	3	3-7	305	17,801	3.8	683
7	3	5-2	305	19,712	3.7	730
18	3	5-0	253	13,336	4.0	532
34	3	5-3	289	17,657	3.5	615
75	3	4-3	287	15,455	3.8	585
88	3	3-2	305	15,358	3.6	555
110	3	2-2	282	13,750	3.6	501
Albert Neufeld						
17	3	7-1	305	15,013	3.5	532
26	3	7 2	305	18,185	3 2	590
33	3	6-1	305	13,979	4.3	605
63	3	9-0	305	17,717	3.7	651
86	3	5-1	305	14,863	3.5	522
104	3	5 1	304	16,871	3.6	609
130	3	5-1	305	16,536	3.1	519
102	0	6-2	282	12,892	4 0	520
19	3	5-1	305	16,942	3 1	518
Robt Baumgardner Jr						
15	3	6-1	305	13,691	3 9	536
3	3	4-1	305	18,237	3 5	644
Big T Holsteins						
23	3	3-1	305	22,092	2 8	623
Margie	3	3-2	305	16,554	3 0	501
Big Red	9	5-0	305	16,170	3 9	633
MerryK	3	6-5	305	24,280	3 8	914
50	3	6-1	305	14,363	3.8	541
10	3	3-10	305	18,170	3.7	681
63	3	3-11	293	19,262	4 0	779
16	3	3-11	305	17,443	3 3	572
8	3	4-1	301	19,281	3 4	655
38	3	2-1	303	14,898	3 6	529
Charles Hess						
85	3	7-8	305	15,785	3 8	595
137	3	5 4	294	13,128	4.0	531
9	3	5-1	305	16,644	4.1	682
5	3	9-2	298	14,607	3.8	554
68	3	6-5	305	15,492	3.9	600
155	3	2-11	305	15,041	3.9	593
157	3	2-11	301	13,193	4.0	525
John C Krone						
Molly	3	8-11	305	17,510	3.4	593
Walkers Farm						
204	3	5-0	305	14,294	3.7	533
423	3	4-1	305	20,610	3.3	670
413	3	7-1	305	19,411	3.6	702
406	3	4-1	286	16,213	3.4	552
215	3	5-0	305	20,856	3.6	754
227	3	6-0	305	18,132	3.4	621
23	3	2-1	305	12,101	4.7	571
45	3	2-1	305	15,057	3.5	532
Leland Stanford						
3	3	8-1	281	19,380	3.2	627
154	3	9-1	305	21,209	3.3	697
Perrydell Farms						
2	3	4-2	268	16,893	3.9	666
69	3	4-3	246	18,031	3.3	587
98	3	4-1	304	14,690	4.2	616
109	3	7-2	268	15,625	3.3	516
194	3	4-1	305	19,283	3.5	674
201	3	5-1	289	19,761	3.4	667
174	3	3-1	305	19,150	3.4	658
Robert Buser						
112	3	6-1	305	19,016	3.9	733
20	3	4-1	305	18,014	3 3	596
David Stewart						
Fay	3	11-11	305	28,154	3.2	898
Crystal	3	6-8	305	20,936	3.4	707
Cheryl	3	6-6	277	23,319	2.8	647
Lupe	3	5-9	305	16,079	3.7	597
Pride	3	4-9	304	15,977	3.6	575
Lillian	3	4-6	305	17,284	4 0	687
Bab	3	4-1	305	22,191	4.2	922
Sharon	3	4-2	305	19,916	3 6	720
Pclarll	3	4-8	305	23,778	3 6	856
Floy	3	8-11	305	22,683	3 3	757
Boo	3	3-5	305	20,602	4.3	885
Hot	3	3-1	305	20,012	3 3	651
Abby	3	3-0	305	17,104	3.7	633
Jute	3	3-4	299	19,175	3.4	645
Snowann	3	4-2	305	17,444	3.3	570
Alysia	3	3-6	305	17,613	3.2	572
Ailsa	3	3-9	299	19,508	3.0	590
Hedda	3	4-2	279	15,459	3.8	591

(Turn to Page D20)

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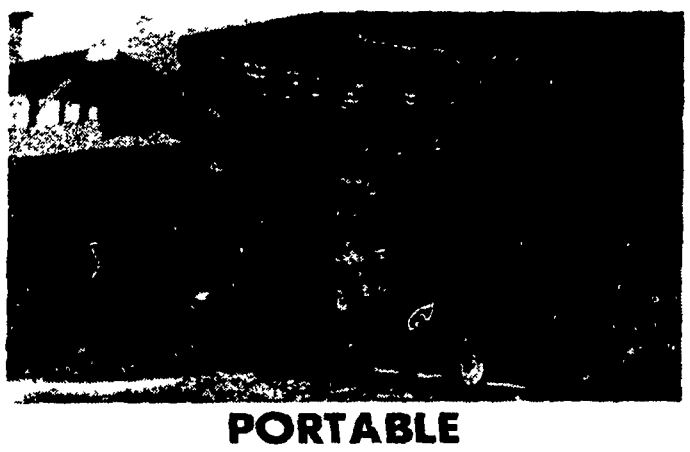
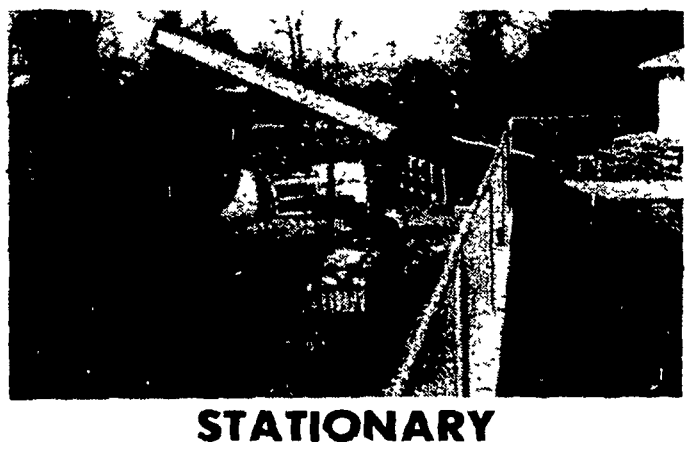


PORTABLE



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8x16 Dump Trailer
$6595

6x16 Bumper Trailer
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You Get More Than Products And Service
YOU GET WHAT YOU PAY FOR

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We Take Pride In Our Reputation

ONLY PREMIUM GRANULAR FERTILIZER with a guaranteed analysis for your crop and soil.

A QUALITY PRODUCT AND QUALITY SERVICE that offers a nitrogen mixture to give fast and slow release of nutrients, with secondary plant nutrients that are vital for plant growth.

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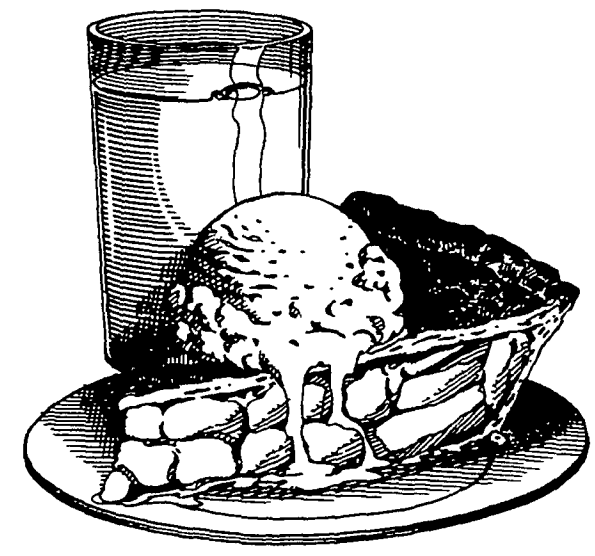


Every time you turn around, somebody's taking a bigger slice of your profit.

But Surge has a way to make your piece bigger. And the electric company's smaller.

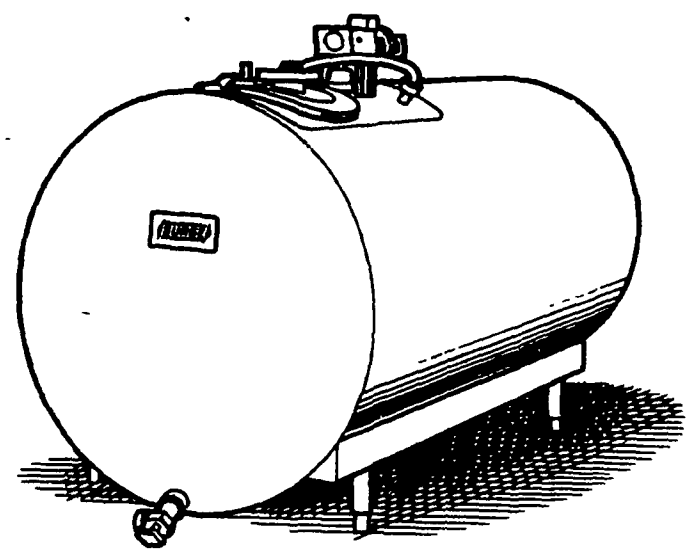
It's called the ARC Cooling Tank. And it's up to 15% more efficient than earlier models. So it costs you less to operate. Lowers your bill. Raises your net. All through what we call Automatic Response Cooling.

As milk flow increases into the tank, refrigerant flow increases to cool it faster. As milk flow decreases, so does the load on your condenser.

And the polyurethane foam insulation seals between the inner and outer tanks, holding the temperature better.

You can choose from nine sizes, too. From 500 to 3,000 gallons. In durable white polyurethane enamel finish or traditional stainless steel. Both with remote digital thermometer and a tiltable gauge rod calibrated in gallons, liters and pounds.

We can make your cows worth more.
SURGE



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York Co. DHIA

(Continued from Page D18)

Cher	3	2 4	305	13,449	3 8	512
Crisie	3	2 9	305	17,198	3 8	653
Richard Staner						
Meknes	2	8 8	302	11,431	5 0	576
Elrhart	2	3 2	305	12,818	4 6	596
Chasity	2	5 4	305	13,749	3 9	539
Connie	2	4-3	305	11,882	4 2	500
Walnut Hill Farm						
Bambi	2	5 2	305	13,086	4 7	617
Linda	3	6 1	305	16,098	4 1	665
Fawn Meadow Holstein						
87	3	5 3	305	17,507	3 8	658
85	3	5-4	305	23,392	3 4	786
75	3	5-7	300	16,971	3 9	663
117	3	4-2	305	18,704	4 2	785
119	3	4-2	305	17,155	3 5	598
135	3	3 3	305	22,077	3 6	791
115	3	2-5	305	18,897	3 7	693
45	3	2 0	305	14,819	3 7	547
69	3	2-2	305	14,603	3 7	534
140	3	2-4	305	16,736	3 7	622
My-T Farms						
Pris	3	6-1	289	15,625	3 8	597
David Gemmill						
105	3	3 2	305	14,827	3 6	529
Double D Farm						
D80	3	6 2	289	12,614	4 6	581
D-89	3	7-3	276	14,752	4 1	602
D-93	3	9-3	280	19,022	4 1	776
D-104	3	8-1	305	15,995	3 6	569
Y-22	3	6-2	280	18,734	3.4	630
D-144	3	0-0	281	15,569	3 8	598
D-165	3	1-11	293	16,259	3 6	590
D-164	3	1-11	305	13,164	3 9	511
Dale Clymer						
Andrea	3	6-4	305	14,898	4 0	596
Grace	3	5-7	305	15,960	3 2	507
Amy	3	4-8	305	16,347	3 9	645
Deal Holsteins Farm						
52	3	5-2	305	14,454	3.6	524
96	3	3-4	305	12,787	4 0	517
98	3	3-5	292	16,312	3 9	634
154	3	6-2	277	13,966	3.7	512
177	3	6-2	275	14,472	4 3	621
191	3	6 3	305	14,399	3 5	511
121	3	2 9	305	13,712	3.6	500
Barrens View Fm						
Dee	3	7 10	292	13,155	4.0	522
Heidi	3	8-5	265	14,585	3 6	530
Jenny	3	5 1	305	18,364	3 3	602
Kathy	3	3 10	242	12,864	4 0	509
Cool Branch Farm						
Harriet	3	6-1	305	17,129	4 1	706
Raven	3	3-1	305	15,711	3 8	602
Spook	3	7-1	305	14,021	3 6	500
Molly	3	4-5	305	15,194	3.7	558
Susie	3	3-2	305	18,897	4 0	748
Whitie	3	5 3	305	18,458	4 2	768
Joanne	3	4-7	304	16,219	4 0	656
John P Bortner						
28	3	0-0	305	18,676	3.8	703
Juliann	3	6-3	278	13,034	4 2	542
Jim McCaffree						
Lottie	3	4-4	303	23,169	3 7	850
Lass	3	4-8	305	26,748	3 3	893
Kate	3	5-3	305	28,093	3 6	1007
Brite	3	4-3	305	19,581	4 3	838
Kelly	3	4-7	305	22,277	2.9	650
Glory	3	3-8	305	23,917	3 6	864
Faith	3	3-2	305	24,202	3.5	846
Belle	3	4-1	304	21,947	3.2	701
Nippy	3	2-2	305	19,440	3 3	648
William Myers						
Bonny	3	6-9	305	23,055	4.2	960
Jackie	3	6-4	305	23,733	3 4	799
Peggy	3	5 7	302	21,454	4.0	868
Fanny	3	4-5	305	22,647	4 6	1052
Belle	3	3-10	305	19,539	3 7	729
Edna	3	3-1	305	21,645	3 2	695
Tina	3	1-11	305	16,583	3 8	634
Carol	3	2-4	305	17,477	3 9	676
Gay	3	2-2	305	16,717	3 7	623
David M. Emig						
30	3	7-1	305	14,573	4.0	578
11	3	5-1	305	17,882	3.8	688
17	3	4-11	305	15,532	3.8	595
25	3	5-1	305	12,851	4.2	535
60	3	2-11	305	18,018	4.1	741
62	3	2-8	305	14,715	3.8	566
McRal Dairy Farm						
347	3	8-2	290	19,787	3.2	640
445	3	5-4	305	25,433	3 1	790

(Turn to Page D21)

Boosting yields

LANCASTER — The control of weeds is vital to the success of no-till farming. Controlling these weeds may boost yields, such as wheat, up to 10 to 15 bushels an acre in areas with an average rainfall of 18 to 22 inches.

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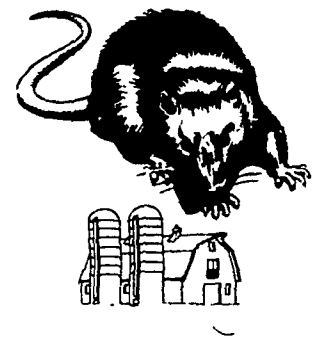

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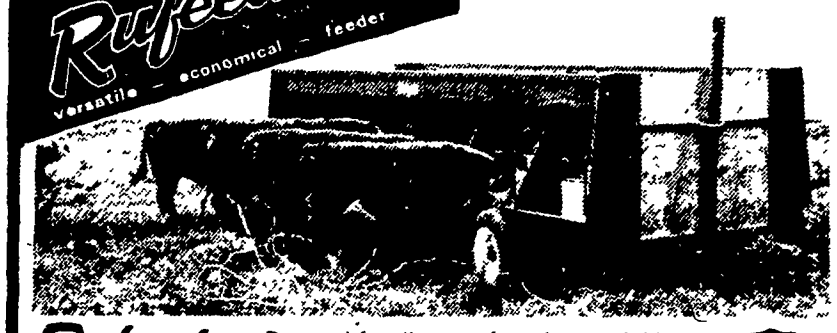

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Cold tolerance rating helps no-till corn

LEXINGTON, Ky. — Research tests and field experience indicate that rating the cold tolerance of corn hybrids could "open the door" for growers using no-till or reduced tillage farming methods.

"With the trend toward no-till methods and the universal acceptance of early planting as a key to top corn profits, growers need a means of 'pushing back' the beginning of the planting season," comments Kenneth Wells, University of Kentucky extension agronomist. "It's particularly important for large-acreage growers to allow seeding some fields extremely early," he adds.

"In tests where University of Kentucky plant scientists measured soil temperatures under no-till conditions, two features were constant," Wells continued. First, soil in no-tilled fields is usually 2 degrees to 4 degrees cooler than conventionally tilled soil. Second, there is much less temperature fluctuation during a 24-hour period than there is in soil that is not "insulated" with crop residues. Thus, the seed is exposed to stress for longer periods during the day under no-till conditions.

Those test results correspond with measurements made at corn research centers where cold tolerance ratings are made on Northrup King Co. hybrids, according to Matt Shubat, NK corn technical services manager. The cold tolerance rating is a combined measurement of rate of emergence, percentage of emergence at 30 days after planting, and total dry weight of the plant approximately 42 days after planting.

"The data pinpoints a need for hybrids with the genetic potential to germinate under colder, wetter soil conditions and grow normally after seedling emergence," Shubat continues.

The concern on the part of growers and others to conserve soil, save fuel, and reduce compaction has already encouraged one-third of all U.S. corn farmers to try reduced tillage on some of their acreage, according to a survey conducted for NK in 1981.

"We got tired of watching our dollars blow away in the dust," is how George McDonald, 1981 Tennessee NCGA champ, explains his decision to try no-till. "We have sloping fields ranging from 2% to 7%, so water erosion is also a problem."

Last year McDonald, who was named one of our 1981 FFA Regional Star Farmers for the U.S., no-tilled 145 acres of corn into fescue or orchardgrass stubble. He also minimum tilled 55 acres of corn in rotation with wheat and soybeans. Planting extended from March 14 to March 23. "Soil temperature on the 14th was 52 degrees, but there was considerable fluctuation in temperatures during the planting period," McDonald says.

"We believe in cold tolerance ratings," he says. "We test plot several varieties to determine seedling vigor and try to select those, such as NK's PX74, which combines at least medium cold tolerance with other traits necessary for top yields.

"Growing top corn can't be pinned down to any one thing we do, but we have learned that if growth of the plant ever slows down, it will affect your final yield," McDonald states.

Murray Corriher, China Grove, North Carolina, has four NCGA championship tropies that also came from fields of no-tilled PX74. He also likes to combine cold tolerance rating with a hybrid's yield potential so he can start planting by April 1.

"Around here, it's likely that soil temperature will be as high as 60 degrees when the sun is high, but it will get a lot colder than that later in the day," Corriher comments.

Research at Northrup King shows that many cold tolerant hybrids can germinate and grow at temperatures under 50 degrees Fahrenheit. "We've observed inbred lines which germinate at 45 degrees," says Shubat. Recent tests at Iowa State University indicate that inbred selections which rate very high in cold tolerance can survive soil temperatures as low as 40 degrees.

"There is little question that the trend to more no-till will continue," Shubat concludes. "We're proud to take a leadership position by providing growers with a means of quickly determining which hybrids can perform best for both no-till and early planting conditions. Once they learn to use cold tolerance ratings as part of their hybrid selection process, they'll see that it lets them confidently choose a hybrid which has the best potential to produce a good stand and grow well."

York Co. DHIA

(Continued from Page D20)

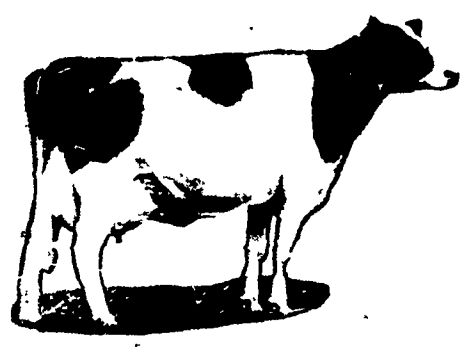
462	3	5-1	305	24,963	2 /	670
468	3	4-8	305	24,191	3.6	868
481	3	4-2	305	23,916	3 0	711
490	3	4-4	305	24,776	3.0	739
137	3	3-0	305	19,248	3 2	616
181	3	2-2	305	16,834	3 9	650
185	3	2-6	305	17,082	3.8	654
187	3	2-3	304	15,139	3 3	501
190	3	2-6	305	18,020	2 9	516
192	3	2-3	301	14,357	3 5	502
William Ruppert						
Jennie	3	10-4	278	14,446	3 9	565
Top	3	11-7	305	23,172	3.6	824
Melody	3	9-11	305	18,523	3.4	623
Glow	3	7-2	305	17,736	4.0	707
Red	3	7-7	305	21,769	3 8	837
Donna	3	3-3	305	19,859	3 0	587
9983	3	2-0	305	17,756	3 6	633
Eisenhart Bros						
257	3	5-0	305	18,777	3 4	635
300	3	3-1	305	15,068	3 5	521
301	3	3-1	305	14,551	3.7	537
327	3	2-3	305	14,364	3.8	541
Wayne E. Myers						
Linda	3	4-1	305	21,674	4 6	991
Fifi	3	1-11	305	17,764	3 7	662

Foam marker aids no-till

NORTHBROOK, Il. — A foam marking system designed specifically for the farmer has just been introduced by Precision Laboratories, Inc. Called "Trailblazer — The Farmer's Foamer", the unit is easily installed on all types of planters, drills and sprayers. It is particularly useful in no-till planting to avoid skips and overlaps and assure accuracy in planting and spraying.

The Trailblazer unit features a 12V power system, stainless steel components, cab mounted control panel and a 10¼ gallon tank with a built in sparging tube that produces thick, rich foam — enough for a full days planting. Special boots form "blobs" of foam that stand out in stubble or old crop residue are also included.

For further information contact Precision Laboratories, Inc., Dept. TB, P.O. Box 127, Northbrook, Il. 60062 or call toll free 1-800-323-6280. In Illinois call 312-498-0800.



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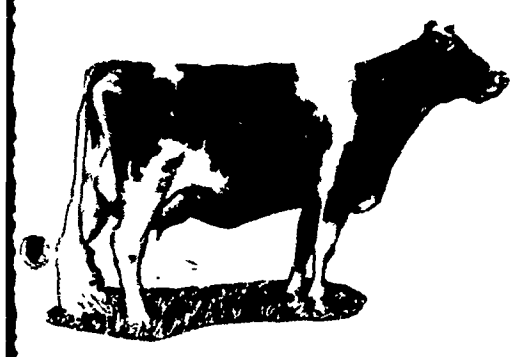

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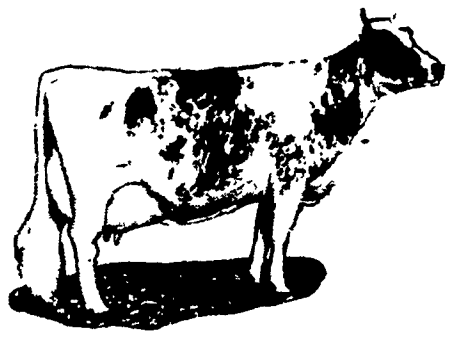

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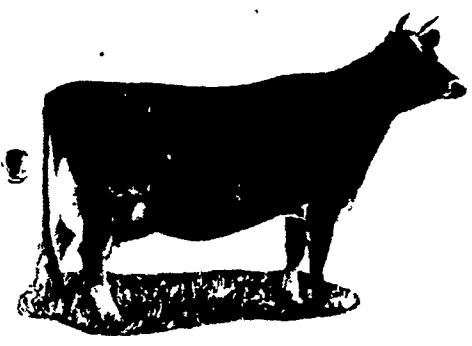

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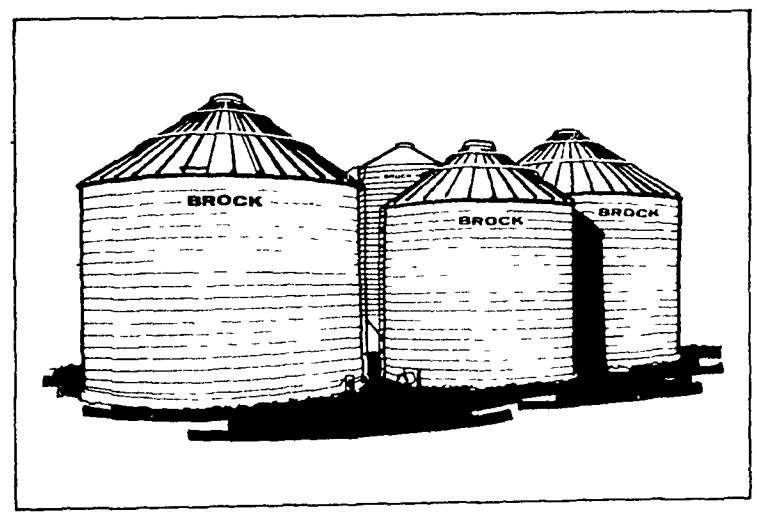

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Dribble fertilization ideal for no-till

LANCASTER — The popularity of conservation tillage, coupled with the increasing need to maximize fertilizer efficiency and reduce trips across the field, should give farmers more reason to dribble, or strip, part of their total fertilizer requirement.

Dribbling a coarse stream of liquid fertilizer, in strips 10-30 inches apart, is not a new method for improving nutrient recovery and boosting crop yields. In fact, its origins can be traced to the late 1950's. The practice gained only limited acceptance at the time, however, because energy and fertilizer were relatively cheap and plentiful. Deep plowing, then a standard practice, also diluted the band and masked its effectiveness.

But today, as crop-production costs reach new highs, grain prices plummet and more farmers abandon the moldboard plow, the agronomic and economic advantages of dribbling fertilizer become more pronounced.

Everything To Gain

"Farmers practicing any form of conservation tillage have everything to gain and nothing to lose by making dribble applications," says Don Johnson, agronomist at Allied Chemical who has worked extensively with this technique under various tillage systems.

"Whether the fertilizer is left on the surface in a zero-tillage situation, or if it's chiseled beneath the stubble in reduced tillage, dribble applications should at least equal or, more often than not, produce a better crop yield than where the same rate of plant food was broadcast," Johnson says.

In an effort to fine tune their recommendations, most land-grant universities have just begun to evaluate the efficiency of various fertilizer-application techniques for conservation tillage. To date, the bulk of the research data has come from the Northeast, where hilly terrain prompted an earlier interest. In one study at the University of Maryland, unplowed corn plots receiving a dribble application of urea-ammonium nitrate (UAN) solution averaged 146.4 bushels per acre, 35 bushels more corn than plots that received the same amount of fertilizer as a broadcast treatment. When the same test was conducted in fields that were plowed with a moldboard, dribble plots outyielded the broadcast plots by only five bushels per acre, thus demonstrating the greater efficiency obtained from dribble applications in conservation tillage.

Crop-yield increases from dribble applications may not always be as dramatic as those recorded in the Maryland study. But Johnson says increases of 10 to 20 bushels per acre are typical in conservation tillage. Earlier crop maturity and lower moisture content at harvest are also probable.

Study Shows Need for Change

The need to adopt new fertilizer-application techniques for zero and reduced tillage was underscored in a recent study by the USDA. Researchers found that certain miroorganisms, which feed on nitrogen and reduce its availability to crops, tend to accumulate in the top three inches of unplowed soils, rather than be dispersed throughout a six- to eight-inch plow layer.

For instance, populations of denitrifying enzymes were found to be 170 percent greater in the top three inches of no-till soils than in the same zone of plowed soils. This disparity probably would not be as extreme in reduced tillage, Johnson points out. But the results of these trials, which were conducted at seven different locations across the United States under a wide range of climates and soil types, show the importance of reducing fertilizer contact with crop residues and large volumes of soil.

"The less you till, the more you should consider dribble applications," Johnson says, noting

Close-up shows coarse stream of liquid fertilizer being dribbled onto crop stubble by custom applicator's modified spray boom.

that small droplets produced by broadcast applications may remain on plant residues and not effectively reach the soil surface. Subsequently, the fertilizer would not be taken up as readily by plants. It would also be more vulnerable to mirco-organisms.

Dribbled fertilizer, on the other hand, saturates the residue and reaches the soil surface. The high concentration of fertilizer "overwhelms" nitrogen-robbing microorganisms, Johnson says, to protect the nutrients from loss or nonavailability.

Ideal for No-Till

In zero-tillage, where seed is drilled into the stubble of a previous crop, fertilizer application is the only opportunity to ensure proper nutrient placement, Johnson observes. "You could knife in nitrogen four to six inches deep, but that requires energy and in effect becomes a tillage operation," he says. "That's why dribbling has so much potential." Dribble applications in zero-tillage should not be made before early spring, however, to protect the fertilizer from the elements.

Because farmers practicing reduced tillage have the option of chiseling dribbled fertilizer beneath the soil surface, fall applications can be made with confidence. While chiseling and light diskings behind the dribble will break up the band to some degree, the fertilizer will still be much more concentrated than if it had been broadcast and plowed under, Johnson says.

How To Tool Up

According to Jerry Hakenson, an

(Turn to Page D23)

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Dribble fertilization

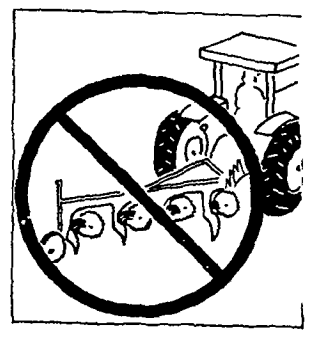
(Continued from Page D22)

ag engineer for Allied, the most efficient way to dribble fertilizer in reduced tillage would be to attach polyethylene hose to each chisel shank and pull a spray tank behind the tillage implement. An alternative would be to mount a tank on the chisel itself or mount saddle tanks on the tractor, he says. The farmer can then apply nitrogen and other needed nutrients in one operation, with the same piece of application equipment.

Many custom applicators, aware of the increasing need to improve fertilizer efficiency, are modifying their high-clearance spray equipment for dribble applications, Hakenson reports. This is usually done by spacing centers 10-30 inches apart, attaching a hose to each nozzle and letting it dangle within six inches from the ground. The hoses apparently permit application on days that ordinarily would be too windy for fertilizer applications. The farmer mixes the fertilizer into the soil whenever he chisels, preferably in the same direction as the dribble band.

There is no hard and fast rule for spacing the fertilizer strips; it really depends on the crop to be grown and what type of spray and/or tillage equipment is on hand.

For solid-seeded crops and those planted in narrow rows, fertilizer strips should be placed 10-20 inches apart, Johnson says. For corn, 20- to 30-inch spacings are recommended. "This way, if you're planting corn in 30-inch rows, the seed will never be more than 10 to 15 inches away from the fertilizer," Johnson explains. "Sure, it will take an little time for the roots to find the band. But once they do, there will be more fertilizer available."



Because the farmer has no assurance that the band will be in close contact with the seed, Johnson suggests making a starter application of a 10-34-0 ammoniated polyphosphate solution at planting. "Farmers practicing conservation tillage probably ought to be using a starter fertilizer anyway," he adds. "Unplowed soils tend to be more moist and up to five degrees (F) cooler than plowed soils. These conditions can greatly limit the availability of P_2O_5 to the crop during its early stages of crop developoment."

Model Program

Dribble applications fit well with the concept of "spoonfeeding" nitrogen — that is, applying nitrogen several times a year in smaller doses for greater N efficiency.

"The agronomic advantages of splitting up yoru nitrogen-application schedule have been well documented," Johnson says. "What many farmers have failed to realize is that multiple fertilizer applications can usually be made without making additional trips across the field."

To illustrate this point, Johnson outlines the following fertilizer-application schedule for a corn grower practicing reduced tillage who needs to apply 200 pounds N, 70 pounds P_2O_5 and 40 pounds K_2O:

In fall or spring, dribble 70 pounds N, 40 pounds $P_2?_5$ and 30 pounds K_2O while chiseling. An additional 60 pounds N can be sprayed with the farmer's preplant herbicide. A starter application of 10 pounds N, 30 pounds P_2O_5 and 10 pounds K_2O could be made at planting. Another 60 pounds of N could be dribbled at mid-season when cultivating.

Proper herbicide

LANCASTER — Another basic cornerstone of no-till farming is the use of a proper herbicide. Without it, a no-till farmer must still fall back on some form of tillage of control weeds.

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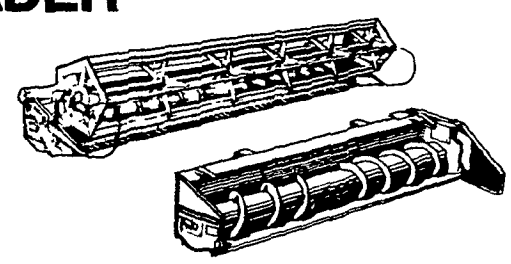

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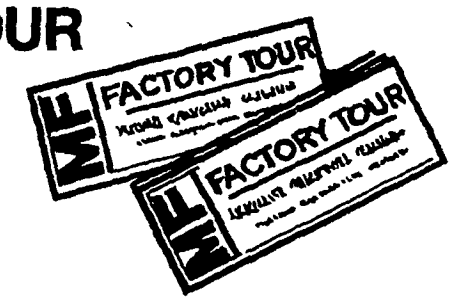

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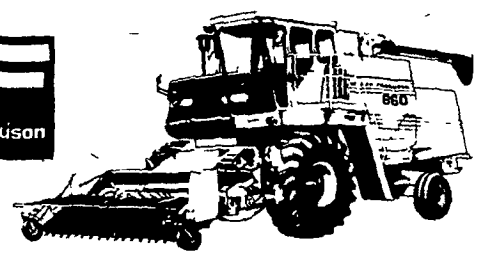

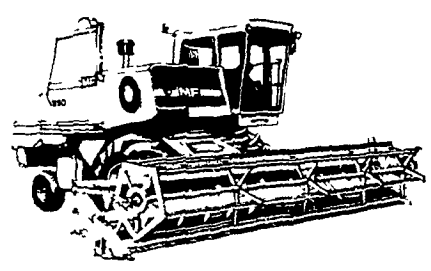

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Subsoiling helps yields

NEWARK, Del. — Does subsoiling make a difference in no-till corn and soybeans? University of Delaware extension crops specialist Frank Webb thinks it might, so this year he planted several demonstration plots around the state, using a machine that not only subsoils directly beneath the row, but also works about a four-inch wide band along the seedbed, exposing the soil to sunlight. This warms the soil, speeding germination and growth in the spring. At the same time, the machine allows the dense mulch cover associated with no-till to remain between rows.

Webb says he's seen a clear growth response to the treatment, and the practice may affect yields, too. The specialist is using equipment produced by the Brown-Harden Manufacturing Company of Georgia. The machine is on loan from the Southern States regional office in Richmond, Virginia.

In previous Delaware studies involving subsoiling, Webb says drawbacks were found, especially after hard rain when seed sometimes fell through the channel cut by other types of subsoilers and was thus lost. In spite of the 16-inch slot it cuts, that does not appear to be a problem with this particular machine, he says.

One demonstration plot using the Brown-Harden subsoiler was located at the University of Delaware Substation near Georgetown.

University of Delaware extension crops specilist Frank Webb compares growth of two no-till corn treatments. Taller plot on left was subsoiled in the row.

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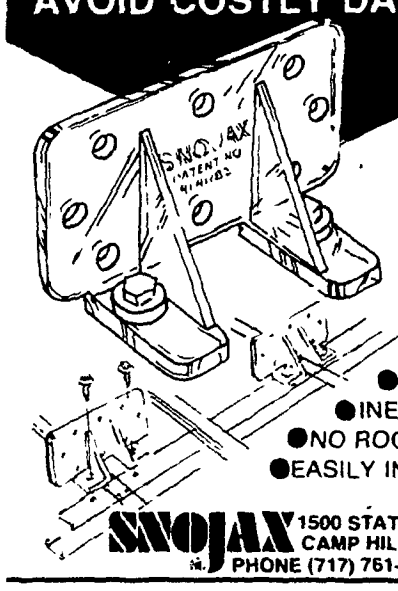

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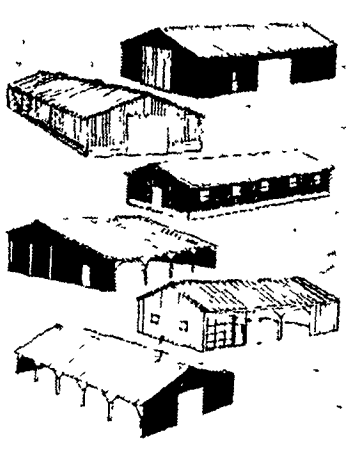

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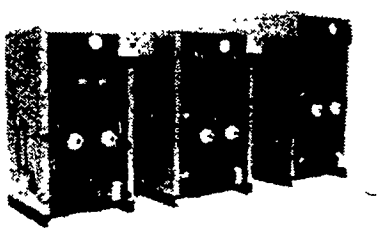

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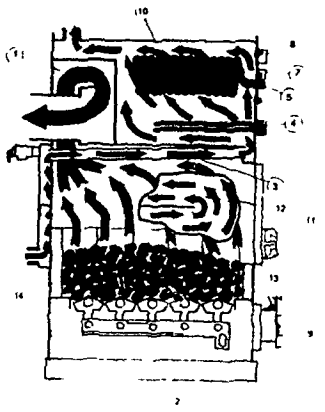

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Solid soybean seeding OK with reduced tillage

ST. LOUIS — It looks like conservation tillage is compatible with solid seeded soybeans, according to agronomists at Purdue University.

"The normal yield response we've come to expect from solid seeding is coming through with conservation tillage systems," says Marvin Swearingin. Swearingin and his associate Donald Griffith recently completed a year's study of solid seeded soybeans and conservation tillage. The study was incorporated into two ongoing corn-soybean tillage rotation experiments at the Purdue Agronomy Farm (PAF) at Lafayette and the Southeastern Purdue Agricultural Center (SEPAC) at Butlerville.

"Although we have just one year's information, I think no-till drilled beans will work if a specially adapted drill is used and perennial weeds are not a problem," Griffith says. "Equipment manufacturers have come out with new drills recently that will work with conservation tillage and farmers are eager to put them to use."

The agronomists say their first-year results came closer to meeting their objectives than they had anticipated. In this part of their research, which was funded by the American Soybean Association and BASF Wyandotte, the researchers wanted to compare the effect of crop rotation, tillage system, and row spacing on soybean seed yield and other plant characteristics. They also wanted to see what the odds were for season-long weed control in soybeans planted in untilled seedbeds using only post-emergence as opposed to pre-emergence herbicides.

Tillage systems used at the main tillage plots at PAF were fall plow, fall chisel, till-plant, and no-till both following corn and as continuous soybeans. The main tillage plots at SEPAC were spring plow, spring chisel, spring disc, fall-formed beds, and no-till, all after corn.

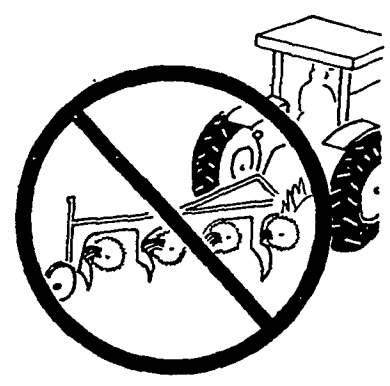
The researchers split the plots so that they could compare 10-inch rows and 30-inch rows, except on the till-plant and bed systems, which aren't suitable for solid seeding. The plots were also split to compare pre- and post-emergence herbicides.

The agronomists were able to produce no-till soybean yields at the two locations equal to yields with conventional tillage. Under no-till, the soybean plants were slightly shorter, lodged slightly less and had more weeds, but not enough to affect seed yield, the researchers say.

"All the no-till plots were treated with Paraquat at planting for knock-down of growing weeds," Griffith says. "We did not have a problem in getting a stand of no-till beans, but extra weight must be added to the drill for dense soils."

Problems of full-season no-till soybean production are not all resolved. "Consistent and economical weed control will depend on weed species present and timely post-emergence herbicide application," according to Griffith. "I'd still go for the combination of pre-emergence and post-emergence herbicides in many situations. With double-cropping, however, no-till solid-seeding has been very successful with pre-emergence chemicals."

Row spacing showed the largest and most consistent effect in the



trials at Lafayette. Drilled plots averaged 53.2 bushels per acre across all tillage, herbicide and rotation combinations, an increase of 7.3 bushels or 16 percent over 30-inch rows. Weed control in solid stands was equal to 30-inch rows and in some cases better where solid drilled soybeans were more competitive with weeds than noncultivated rows.

"The most difficult environment for weed control is, obviously, no-till continuous soybeans in rows," Swearingin says. "In a true no-tillage situation, drilled soybeans offer their greatest advantage over rows."

Similar trends were observed at SEPAC. In spite of the fact that the no-till plots had slightly more weeds, the highest yields – close to 60 bushels per acre – were obtained in the no-till drilled plots. This suggests that if weeds can be consistently controlled, excellent soybean yields are possible on the flat, poorly-drained problem soils of southeastern Indiana. The yields of the 10-inch rows averaged 16 percent above the 30-inch rows, and weed control in the 10-inch rows was equal or slightly better.

This year the trials will be repeated at the same locations. At least two new on-farm environments will be tested with the no-till drill in the double-cropping sequence, the researchers say.

Commonwealth Bank wins award for egg promotion

HARRISBURG — The Bank Marketing Association, an international group made up of banks and savings and loan institutions, has selected Commonwealth National Bank to receive a marketing award in recognition of the bank's May 1981 promotion for Pennsylvania's egg industry.

Depository institutions in the United States, Canada and several foreign countries who are BMA members are eligible to compete for the five Golden Coin Awards offered annually by the association.

Commonwealth National Bank's award stemmed from its marketing program targeted to area farmers. The program highlighted the state's egg industry and helped to increase public awareness of the nutritional value of eggs.

The most visible part of the program was the bank-sponsored preparation of a five-foot omelet in front of Commonwealth National's Lancaster Region Headquarters on Penn Square in Lancaster.

State and county officials and representatives from the egg industry joined bank officers as honorary chefs who prepared and served the omelet to hundreds of onlookers.

Also recognizing the program was the Pennsylvania Egg Marketing Association, who presented its first "Distinguished Service Award" to Commonwealth National Bank.

Harkin to address MMI

STRONGSVILLE, OH — U.S. Congressman Thomas R. Harkin, recently named as the Distinguished Citizen of Agriculture by the National Milk Producers Federation, will be the keynote speaker for the Fifth Annual Meeting of Milk Marketing Inc. The meeting will be held Tuesday, Dec. 14, at the Fawcett Center for Tomorrow, Ohio State University, Columbus, OH.

Harkin, chairman of the Livestock, Dairy and Poultry Subcommittee of the House Committee on Agriculture, will discuss dairy legislation and the importance of the involvement of the individual in the political process.

MMI President Norman Alger, Mantua, OH and MMI General Manager Gordon Riehl will discuss the theme of this year's annual meeting "Working to Assure the Dairyman's Future".

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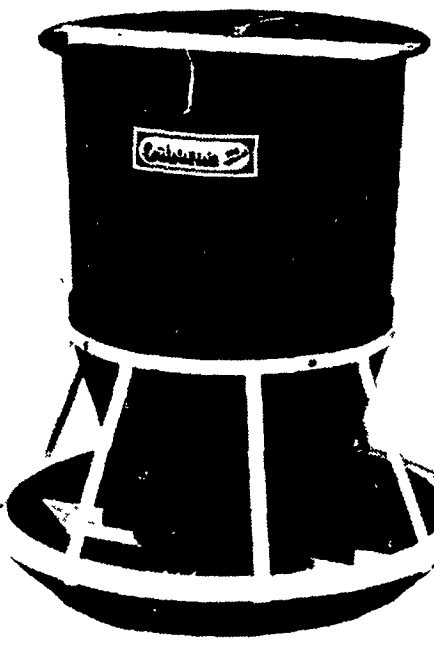

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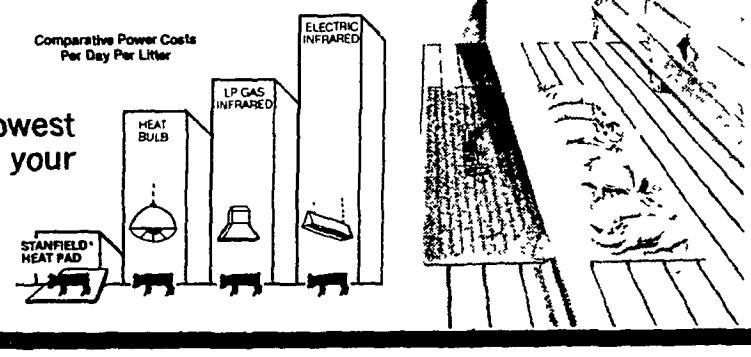

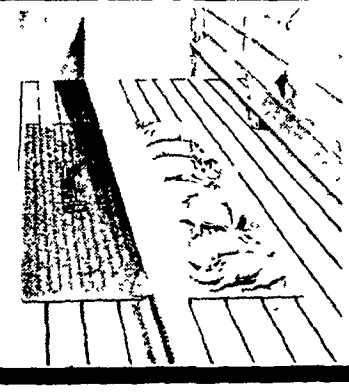

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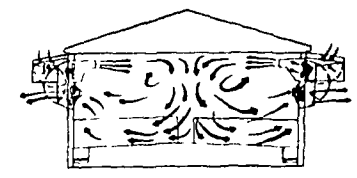

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To plant no-till use the old rows

NEWARK, DE — Farmers who want to plant no-till into row crop residues often ask if they should plant directly over old rows or in the row middles.

A second year of research at the University of Delaware Agriculutural Experiment Station confirms that row placement can have important effects on no-till corn planted after soybeans, especially on sandy soil such as Evesboro loamy sand.

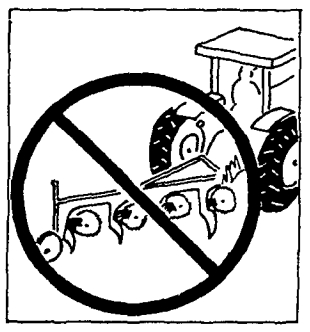
Cheryl Stevens, master's degree candidate in the department of plant science, has been working on this project with her advisor, agronomist William H. Mitchell. She recently reported on their findings.

The seed placement study was conducted at the university's Georgetown substation. It was undertaken because soybeans in a reduced tillage program are rarely followed by cover crops on Delmarva, and this can lead to compacted soil. Additional compaction results from wheel traffic—especially between rows.

Compaction in the wheel tracks can extend well below the soil surface, reducing water infiltration and restricting root growth, Stevens said. Recent samples taken in a chisel-plowed field showed that water infiltration rates were 9/16-inch per hour over the row versus a much slower ¼-inch per hour in row middles compacted by the tractor at planting.

Also, no-tillage soil is usually colder than plowed and disked soil. For this reason, no-tillage plantings are often delayed until soil warms.

"With these factors in mind," Stevens said, "we have been comparing no-till corn planted



directly over the previous year's soybean rows with corn planted in soybean row middles. In 1981, and again this year, we observed a real advantage to planting right over those soybean rows into a seedbed that had not been compacted by wheel traffic for two cropping seasons." Decomposing soybean roots, besides providing nitrogen, may leave channels in the soil and so contribute to this on-row advantage.

At Georgetown, no-tillage planting on the row produced corn plants that were taller in the early part of the season, with larger leaf areas. Where banded diammonium phosphate was used as a planter fertilizer, on-row plantings had less visible symptoms of manganese deficiency than those in row middles. These results were most apparent in early plantings (April 7, 1981, and March 31, 1982) when soil temperatures were relatively low at planting, Stevens said.

In both years, mid-silking occurred two to five days earlier in plots planted on the row. Though 1982 yields won't be available until later in September, 1981 results showed better yields for on-row placement than for plots planted in row middles (152 versus 113 bushels per acre).

Stevens said some type of row modifications may also benefit no-till corn.

"Farmers who are sold on the moisture saving, soil building advantages of a no-tillage cover crop are sharing their ideas on how to improve corn seedling emergence," she said. "This year, for example, the Ross brothers in Laurel, Del., observed faster seedling emergence and growth in areas where the vetch mulch was pulled slightly away from the seed slot. They're now experimenting with a device placed between the fluted coulter and double disk openers that will accomplish this for their 1983 plantings."

Their experience suggests that some type of row modification of the no-tillage seedbed may be the key to improved soil mositure/temperature conditions under a cover crop mulch, Stevens said. This may be especially important as farmers shoot for high yields by planting no-till corn early.

Stevens and Mitchell's row placement experiments have included plots where the soil directly over the row was worked into a ridge using hillers attached to the planter unit. Though this type of ridge planting has not yet led to significant improvements in no-tillage stands, they feel it is a step toward achieving the desired results.

More ideas are needed from farmers, researchers and the farm machinery industry, Stevens said, to perfect a method of row modification that improves no-tillage performance under a wider range of planting conditions.

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IH develops planter

CHICAGO, Ill. — Conservation tillage practices have become very popular in recent years and the trend to conservation planting is gaining momentum, according to Joe Neville, the International Harvester Product Information Manager for crop production implements.

Neville said the key to making the switch to minimum-till or no-till planting is finding a planter that can handle tough planting conditions.

"Reduced tillage and no-till planting presents several major challenges for a planter," said Neville. The planter has to cut through surface trash, open the seed trench, achieve good seed-soil contact, maintain uniform depth control and adequately cover the seed.

Major farm equipment manufacturers are meeting the challenge of producing minimum tillage or no-till planters in a number of ways. One way is to add a coulter (a sharp cutting disk) in front of the seed furrow opener and weight and strength to the planter framing so it penetrates tough soil and withstands the roughness of trashy fields.

"International Harvester took a different approach," Neville said. "Many farmers are likely to change their tillage practices from time to time to control weeds, insect or disease problems that could develop under surface residue preserving practices. That's one reason International Harvester developed a planter that is ideal for conservation planting practices as well as the more traditional planting methods," he said.

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Lake Forest FFA reports on no-till studies

FELTON, Del. — Since 1977, vocational agriculture teachers and students in the FFA chapter at Lake Forest High School in Felton have been cooperating with county agricultural agents and extension specialists from the University of Delaware on a series of studies comparing no-till and conventional corn production.

Purpose of these studies has been to evaluate the effectiveness of various management practices so farmers can grow corn more efficiently. The work has received generous support from the agribusiness community.

"We now have enough data to draw some conclusions," says extension crops specialist Frank Webb, who has been in on the project from the start.

Several findings concern fertilizer use. Results so far suggest that:

* Planter-applied fertilizer gives a yield response on no-till corn.

* Higher rates of planter fertilizer may be less likely to injure plants than some people have feared — at least based on one year's observation.

* No-till corn makes better use of later applied N than does conventional corn.

* Dribbled applications of liquid nitrogen can be as effective as knifed ones in terms of plant response.

In a four-year comparison of the effects of planter vs. broadcast applications of 300 pounds of a 13-10-22 fertilizer on both no-till and conventionally grown corn, planter fertilizer consistently increased yield on no-till treatments," Webb says.

Average yields during 1978 to 1981 ranged from 87 bushels an acre for no-till with planter-applied fertilizer; 83 bushels for no-till with broadcast fertilizer; 75 bushels for conventional with planter fertilizer; and 77 bushels for conventional, broadcast. These are averages across all treatments including no-till covers of hairy vetch and Austrian winter peas, as well as no cover at all.

Judging by these results, Webb says farmers who grow no-till corn should seriously consider applying a starter fertilizer at planting.

In another study this summer, the Lake Forest group compared plant response to different rates of planter fertilizer under both no-till and conventional tillage. A 13-10-22 fertilizer was banded 2 inches from the row at three different levels: 172, 292 and 405 pounds.

"There was no significant yield difference among any of these treatments," Webb says. "We ran this study to see how much planter fertilizer we could use in terms of total N and K without causing plants injury.

"We don't recommend using over 50 pounds total of these two nutrients because of the potential for salt burn," he says. "But a lot of farmers have been using higher rates and apparently getting away with it. We wanted to know what the effects of higher levels would be and — at least this past year — there didn't seem to be a problem."

In this study, corn plants about 18 inches tall were sidedressed with enough 30% liquid nitrogen to bring the total amount of applied N in each plot up to 100 pounds. Average conventional yield was 65 bushels as compared to 70 bushels no-till. These were not exceptionally good yields; however, dry weather prevailed at that

(Turn to Page D28)

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Plan spring conservation work

LEESPORT — With plans being made for planting spring crops, now is the time to consider any changes in your farming program, states Duane E. Pysher, district conservationist with the Berks County office of the USDA Soil Conservation Service.

"It's easy to become a successful conservation farmer. You don't have to upset your entire operation," says Pysher. "Start with one step at a time, such as one field or even part of a field, and add to this each year."

Early spring is an ideal time to layout stripcropping for spring crops or putting in subsurface drains to get rid of the wet spots, Pysher notes. Diversions or terraces are easily installed at this time of the year. Manure management also is an important consideration in preparing conservation plans.

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For top corn yields kill vetch promptly

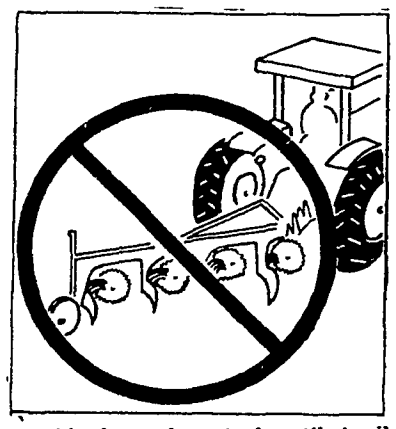
NEWARK, Del. — Hairy vetch has proven itself as a mulch and nitrogen source for no-tillage corn. But how about growing corn and vetch together for a few weeks after the corn emerges, to let vetch plants get a bit bigger and fix more nitrogen before killing them?

"This may sound like a great idea, but don't try it," says University of Delaware Extension agronomist William Mitchell. "You'll likely end up with a drastically reduced corn yield."

If feasible, letting vetch continue to grow for a short time after corn comes up would solve a major problem for farmers who have trouble getting much growth out of their vetch before corn planting time. Mitchell says he tested the idea last summer at the university substation in Georgetown, with disappointing results.

The project started with a seeding of hairy vetch following corn harvest the previous fall. On March 31, when vetch plants were still only 2 to 3 inches high, the field was no-till planted with corn.

The corn was slow to emerge, so the agronomist delayed treatments to kill the vetch and provide



residual weed control until April 15. By then, the vetch was 12 inches high and the corn was still several days away from emergence. Paraquat, Dual and Aatrex were applied then as a tank mix. But some parts of the field were deliberately left untreated, except for Dual for grass control.

Corn emerged on April 18 and grew with the vetch in those untreated plots until April 29, when 2,4-D was applied to kill the vetch and scattered broadleaf weeds. Again, part of the block was not sprayed. Vetch plants there were allowed to grow until May 13 when they, too, were treated with 2,4-D.

"By this time, vetch was more than 2 feet high and completely tangled with the corn and anything else that was standing," Mitchell says. A shortage of moisture developed and there was obvious competition between vetch and corn for the limited water.

Good weed control resulted from the April 15 treatment with the three herbicides. But where vetch kill was delayed, fall panicum control became progressively worse. "Although all the corn was planted on the same date, there was a 3-foot height difference between the early and late vetch kill plots in favor of the one sprayed with a tank mix April 15," he says.

Grain yields reflected the competition among corn, panicum and vetch where cover kill was delayed, Mitchell says. The average yield from plots where vetch was killed promptly was 116 bushels. Delaying kill until April 29 cut the yield to 80 bushels. A further delay until May 13 chopped yield to 61 bushels.

These results show that good no-tillage corn yields can be produced on sandy soil with a little planter fertilizer and a good vetch cover crop, the specialist says. They also show it doesn't pay to put off vetch control in hopes of getting a better stand of this nitrogen-producing cover.

Let the vetch grow until just before corn emergence, advices Mitchell. Delaying cover kill until after corn is up in the hope of producing more growth and fixing more nitrogen can disastrously affect yield. "The message is clear," he says. "You can't have it both ways."

Lake Forest

(Continued from Page D27)

location last summer and the yields are realistic for corn grown in that part of the state, the specialist says.

The better response of no-till corn to later applied N suggests that it is more important for farmers who no-till to sidedress with nitrogen later in the season, Webb says.

Another aspect of the work at Lake Forest has involved methods for applying liquid nitrogen. Over the past two years, crop response has been the same with both 30% UAN dribbled in a concentrated band down row middles and knifed in. Results have been similar in plots at the University of Delaware Georgetown substation.

Webb calls this work encouraging. "There has been a big question in everybody's mind — whether there might be losses to volatilization with dribbled 30% liquid N," he says. "We know there are significant losses from spraying it on. But so far it looks like dribbling works as well as knifing."

Because of the time and energy required to knife, the results of this demonstration are particularly noteworthy, he says. It costs at least $1,000 more to set up equipment to knife. In addition, knifing requires more energy, disturbs no-till cover and takes longer to do the job.

Decline of weeds

LANCASTER — Infestations of annual weeds under no-till cropping have been shown to increase initially and then decline under some situations. This may be due to leaving the weed seed near the surface in no-till while burying it under conventional tillage methods.

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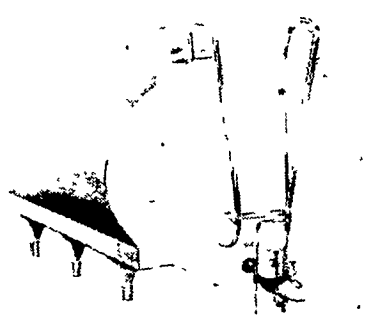

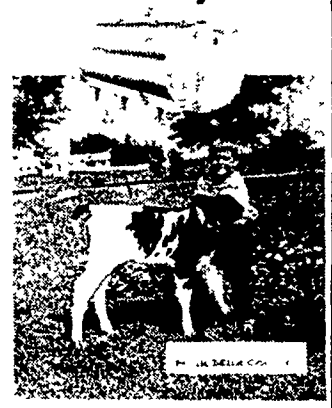

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Reduced tillage increases P&K test readings in soil

NEW HOLLAND — A switch to reduced tillage may give you a surprise bonus after a couple of years. You can probably cut back on phosphorus application and get by with less potash, too.

At least that's been the experience of some longer-term reduced tillage users, says Vern Anstee of Sperry New Holland.

Anstee points out that the benefit seems directly related to the reduced water runoff and lowered erosion. More of the plant food seems to stay in place. Soil test results tend to confirm it.

Early reduced-tillage farmers have been noticing the change for a number of years. Their P and K test readings are running high even when not much fertilizer has been added. The drastically reduced erosion and runoff are the only easy explanation for the puzzlingly high P and K tests, Anstee notes.

Any tillage method that stops runoff will probably do the trick. It probably doesn't matter if it's minimum tillage using a disk or a chisel or no-till planting. But tillage disks have been the tool involved where farmers have reported the unexpected P and K bonus.

A disk can be anything, good and bad, depending on how you use it, says Anstee who is product manager for tillage tools at New Holland. If land is over-disked, the soil is pulverized and soil structure can be destroyed. He warns you may even compact the soil if you misuse the disk.

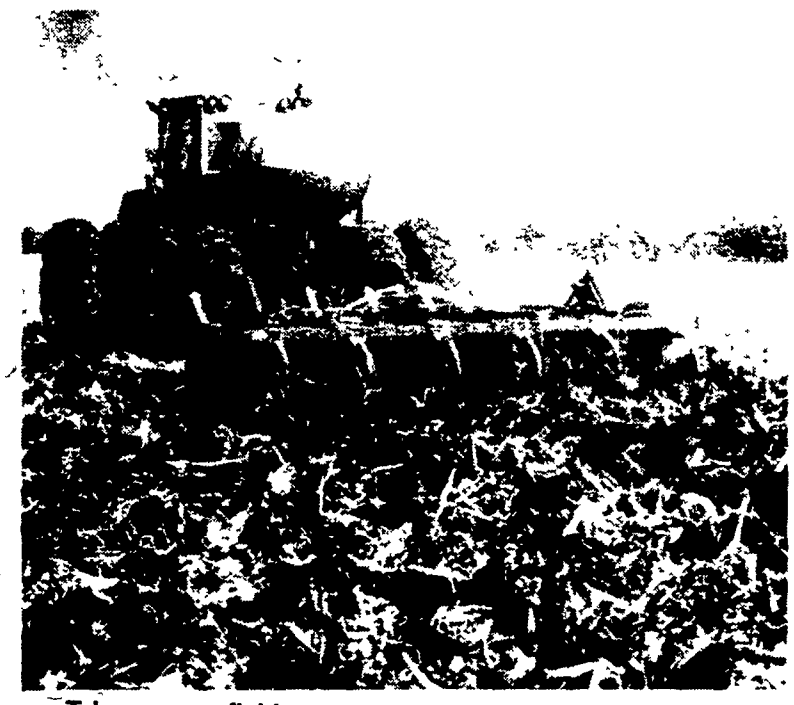
But today's new range of heavy-duty tillage disks let you avoid most of the disk-related problems of the past. Because they have the heft to cut through the residue of the previous crop, even heavy corn stalks, you will usually be able to plant the next crop with only one or two passes. This ordinarily incorporates enough of the residue to avoid planter problems, but still leaves enough residue on top to boost infiltration and nearly eliminate runoff.

That's probably the key to holding the fertilizer P and K in place, says Anstee. But it's not the whole story at all. The improved soil aggregate structure and potentially reduced soil compaction may be more important in the long run.

The trick is to match the disk to the power. You need enough weight to cut through the residue to whatever depth you need to till. But you have to pull the disk fast enough to toss some dirt, if you want to get the fullest benefit from reduced tillage using the disk route. The same disk pulled too slow won't give you the same benefits. At slower speeds, you'll probably have to go over the land an extra time – that's a waste of tractor time and fuel plus an additional unnecessary compaction trip.

Pulling a chisel or moldboard plow faster probably doesn't yield the same benefit from the higher forward speed, he adds. A plow usually takes a lot more power to pull faster as compared to slower. The extra power usually means a heavier tractor with more weights added. This tends to cancel out the speed advantage, and you need more fuel, too.

But the tillage disk, if you set it only as deep as necessary, and can go fast enough to get the tilth in one or two passes, saves both time and fuel. And, it gets you the reduced compaction bonus, plus the benefit of lower P and K losses to boot.



Trip across field can be saved and fertilizer efficiency improved by applying part of total N-P-K requirement when ground is chiseled.

Farm Talk

Jerry Webb

Research "Doubting Thomas"

The relationship between agricultural research funding and bountiful food supplies is a real one. Although it may be difficult for consumers to see the direct benefit from research being conducted in far-flung agricultural experiment stations and other research locations throughout the country, the benefits are there. In fact, for the past 20 or 30 years consumers have been enjoying and using up a reserve of agricultural research built over the past 50 years or more.

Some of the thinkers in the agricultural research community say that reserve is about gone. Granted we have enough food to eat, in fact we still have stockpiles here in this country, but how long can that continue and how quickly can agricultural research create new reserves of knowledge?

There are those research antagonists who think all agricultural research should be abandoned until farm prices improve, or until the surpluses are all gone. Surely they realize that agricultural research cannot be turned off and on as needed. Most of the research that means anything in terms of farmer and consumer benefits requires years and years of painstaking work.

It can take up to 10 years just to develop a new variety of soybean. It can take longer than that to perform certain basic research studies and maybe even the answers cannot be sent directly to the farm.

Some research administrators are a little pessimistic when it comes to the future of agriculture. They feel that most of the big breakthroughs have already been made — that there isn't another hybrid corn lurking around the research corner. And yet things keep happening that give hope. Researchers do find answers that make crops more productive and help the consumer hold the line on food prices.

The research administrators through their various organizations are telling the public of the need for greater investment in the whole agricultural research institution. They feel that the manpower and facilities dedicated to this end are being badly eroded and that the result somewhere down the line will be reduced food supplies, higher food prices, and ultimately hunger. That's a long-term outlook, but it's probably a realistic one when you look at the population demands, the steadily dwindling farm base, and the skyrocketing farm production costs.

(Turn to Page D30)

Sale Reports

xxx

A Public Auction of farm equipment was held November 27 by George W. Morris, on Mason Branch Rd., off of Rt. 312, 1½ miles north of Ridgely, Md. A large crowd attended the sale.

Some prices were: 400 Int. tractor $1420, welder $105, Int. 2000 loader $1175, Int. 3 pt. hitch w/mower balance head $425, tire changer $120, Onan alternator $820, 2 axle Low-Boy trailer $3650 and '77 Dodge Colt car $1300, plus a Ford Jubilee tractor $1925.

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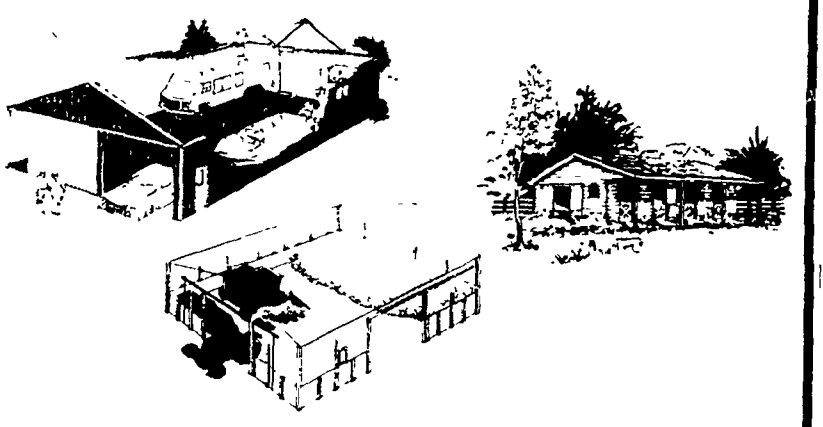

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McDonnell dairy earns conservation honors

NORRISTOWN — With increasing amounts of conservation work being done on farms in Montgomery County, the Montgomery County Conservation District had a tough job selecting this year's Outstanding Conservation Farmer.

Twelve candidates were in the running as they each completed large amounts of conservation work on their farms to control soil erosion. After numerous discussions and balloting, the McDonnell Dairy Farm was selected as the winner of this year's award.

The farm is a family run business which includes a retail dairy store operation. The McDonnell brothers, Frank, John, and William farm several hundred acres in the East Greenville Pennsburg area. Since at least 1975, they have been active in the conservation field. McDonnell's were one of the first in the county to install a detailed animal waste facility involving separation of solids and liquids.

When they purchased their present farm, two large four to five foot deep gullies existed which eroded sediment directly into the Macoby Creek. Today, these gullied areas no longer exist as two large grassed waterways have taken their place. Numerous other conservation practices such as stripcropping, conservation tillage, and storage terraces to mention a few have been installed over the years.

Duane Clarke, left, Chairman of the Montgomery County Conservation District presents their Outstanding Conservation Farmer Award for 1982 to John, center, the William McDonnell, right, accepting for McDonnell Dairy Farm.

Farm Talk

(Continued from Page D29)

Breakthroughs in agricultural research for the most part aren't dramatic. They're little successes that add to other little successes that eventually improve a process. A new soybean variety doesn't revolutionize agriculture, but it does make it more productive. A new tillage technique such as no-till doesn't increase yields, but it does reduce fuel consumption. And the seemingly pointless basic research that means little or nothing to everyone but the researcher, when carried to its conclusion adds one more block to a foundation that eventually becomes a breakthrough.

And not all that needs to be known about agriculture is known by any means. Look around at the way our food is produced now compared to 50 years ago and then try to think ahead 50 years. It will take a few breakthroughs and some gradual progress to keep us adequately fed. And that says nothing about the pressures coming from the environmentalists, the land developers and others who have impact on farm productivity.

That's why the researchers keep looking and once in a while they find something. Here's an example. A researcher in Michigan thinks he has some plants that are toxic to other plants. By proper selection and management, he believes these plant killers could take over some of the work of weed control chemicals. In fact, this Michigan State horticulturist, Al Putnam, is doing field trials with cover crops that he thinks will help control weeds in subsequent economic crops.

So far he's singled out two varieties of sorghum and one of sudan grass that seem to have this yet unidentified natural weed killer. He's found that by planting these cover crops and then killing them with chemicals or allowing them to winterkill and then planting other crops in the residue, he's able to get as high as 95 percent effective weed control with certain weeds. And he feels that within a few years enough will be known so that this natural herbicide can be used commercially.

To give you some idea of the time frame of agricultural research, Putnam's work goes back more than half a century to earlier work done by crop scientists in the area of "soil sickness." At that time, researchers became aware that certain plants had toxic effects on certain other plants, and that somehow this poison seemed to be transmitted through the soil.

Building on these discoveries, the horticulturist was able to identify some of these toxic crops. He then set about finding what plants were compatible with them and what plants were not. Out of this came the production pattern of planting toxic plants as cover crops.

Putnam believes that more research is required to find out exactly what weeds are being controlled and how to improve the accuracy of the dosage. So far his natural weed killers' effectiveness ranges between 65 and 95 percent. He also thinks it's unlikely that researchers will ever find one natural herbicide that will control the broad spectrum of weeds that trouble farmers. Therefore, he thinks they will be just part of an arsenal of weed control weapons. That includes everything from crop rotation to changing chemicals to the use of natural weed killers.

That's just one example of agricultural research that's in progress right now. Maybe to some it seems silly, maybe even a waste of money. But when you look at the potential, the millions of dollars that it could save and the environmental concern it could solve, its impact is far-reaching. Maybe it's not as dramatic as hybrid corn, but it certainly has the economic potential.

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Kewanee designs mini-chisel

KEWANEE, Ill. — Current crop management trends are creating increasing demand for farm equipment designed for reduced tillage management programs. However, many reduced tillage implements currently on the market are designed only for high horsepower tractors.

To meet the needs of farmers with lower horsepower tractors, chromalloy Farm Equipment Division has introduced the Kewanee Integrator 1 coulter chisel.

The Integrator 1 coulter chisel is available in 8'9", 11'3", 13'9" widths for easy matching with soil conditions and the most popular tractor horsepower (105 to 165 drawbar hp) sizes.

Primarily a fall tillage tool, the Integrator 1 is equipped with four-ince wide helical blade till points and 20-inch by 5 mm coulters which allow it to effectively slice and mix even the toughest crop residue, yet maintain acceptable surface residue levels.

The Integrator 1 has excellent clearance between the coulter gangs and the first rank of 26-inch chisel shanks. This enhances trash-mixing action and reduces plugging.

The Integrator 1 also features easy coulter gang spring adjustment, allowing quick regulation of gang height and pressure. These crucial adjustments are frequently ignored on units less easily adjusted.

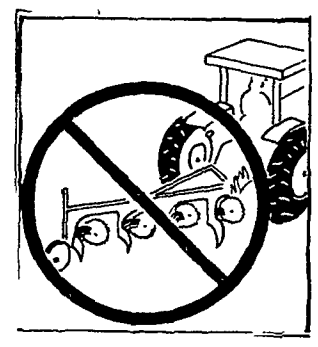
All models of the Integrator 1 are available with cushioned chisel shanks. The 11'3" model is also available with rigid shanks.

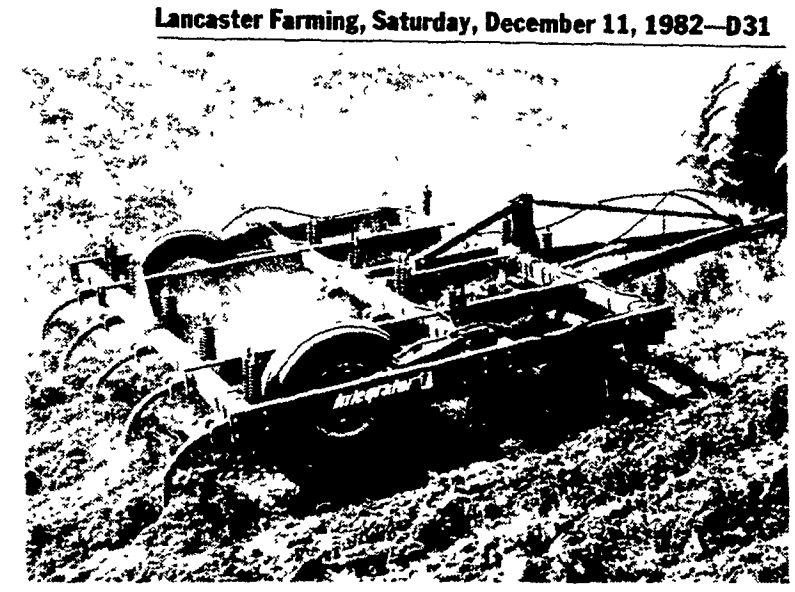
The new Kewanee coulter chisel also features full 12-inch ground clearance in the transport position. A master cylinder/slave cylinder hydraulic system - rather than a system of flow dividers - permits even raising and lowering of the unit.

A combination clevis and tongue type hitch is standard on the Integrator 1.

The Integrator 1 is the first of a series of three Integrator implements Chromalloy Farm Equipment Division will introduce. The entire series represents the combination of state-of-the-art engineering and tillage concepts into an integrated tillage system for maximum effectiveness in reduced tillage.

For additional information on the new Kewanee Integrator 1 coulter chisel, contact: Kewanee Products, Chromalloy Farm Equipment Division, Box 746, Kewanee, Illinois 61443.





The Kewanee Integrator 1 coulter chisel, primarily a fall tillage tool and the first of a series of three Integrator implements Chromalloy Farm Equipment Division will introduce, is equipped with 4-inch wide helical blade till points and 20-inch by 5 mm coulters.

1983 Agronomy Guide available

LANCASTER — The 1983-84 Agronomy Guide, published by the Penn State Extension Service is available for $2.

The Agronomy Guide contains information and suggestions concerning soil use and is designed for easy reading and quick reference.

The new guide includes sections on soil fertility, corn, small grains, weed control, forage crops, no-till planting, erosion control and insect and disease control.

The guide was prepared by Extension and resident staff members in Penn State's Departments of Agronomy, Entromology and Plant Pathologhy; representatives of the U. S. Pasture Laboratory; county agricultural Extension agents; representatives of the fertilizer, lime, pesticide and seed industries; representatives of state agricultural and environmental government agencies.

John E. Baylor, Extension agronomist, was general chairman of the staff which produced the Agronomy Guide.

Copies of the Guide may be purchased from any county Extension office.

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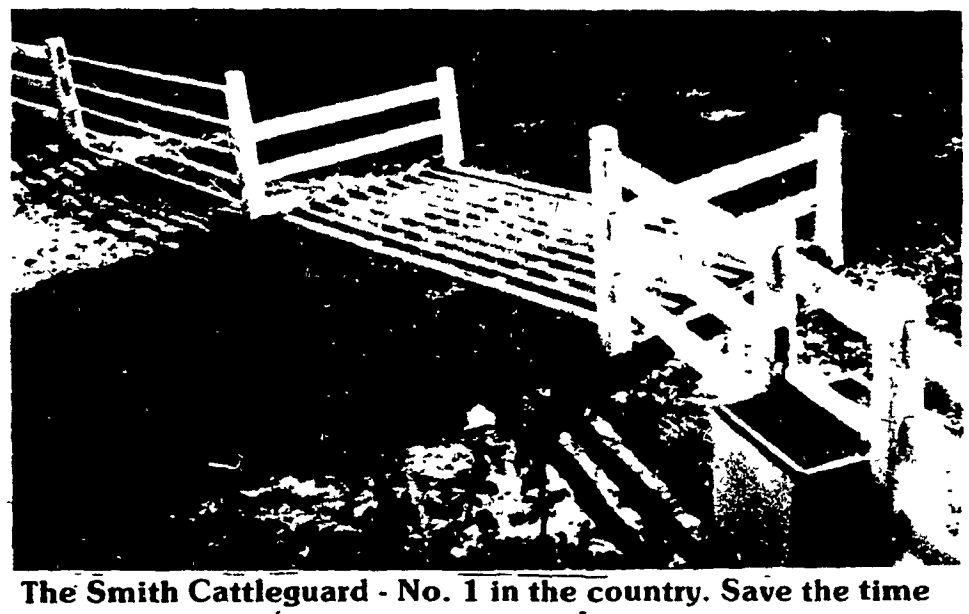

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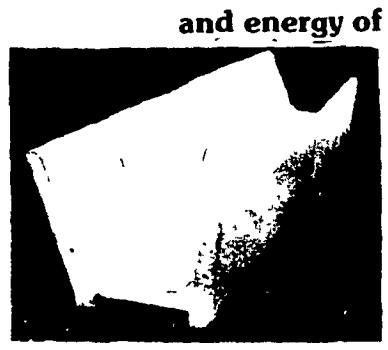

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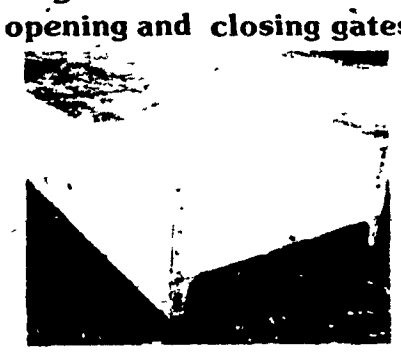

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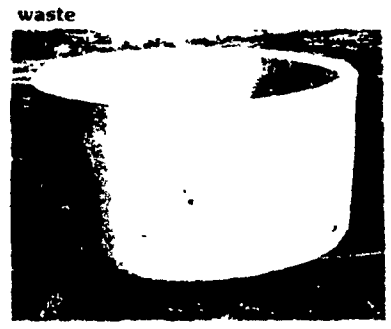

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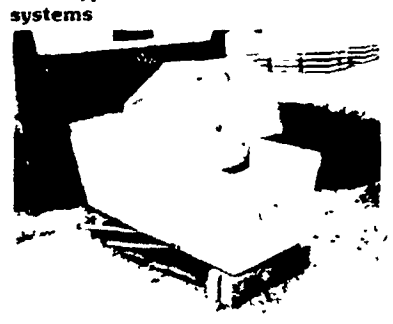

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Outstanding conservationists attend Arizona awards program

LITCHFIELD PARK, Ariz. — Outstanding conservationists from every section of the nation participated in the 35th annual Goodyear Conservation Awards Program, held here, Dec. 10-13, at the Wigwam Resort Hotel.

Honored guests will be 106 representatives of the 53 first place conservation districts in the competition sponsored by The Goodyear Tire & Rubber Company in cooperation with the National Association of Conservation Districts (NACD). From Pennsylvania came David S. Coble, Hershey, and John Witmer, Millersburg, of the Dauphin conservation District.

Among the events scheduled on the vacation-study program were tours of the 12,360-acre Goodyear Farms, a pioneer in desert agriculture and a proving ground for farm equipment and methods since 1917; an address by Scott Buzby, Goodyear executive vice president, and visits to points of interest in the area.

Special guests were Clarence Durban, Plain City, Ohio, NACD vice president; James E. Lake, Fort Wayne, Ind., NACD program specialist, and Eugene Savage, Madison, Wisc., vice president of the Association of State Soil Conservation Administrative Officers. Officers of the Newspaper Farm Editors of America and the National Association of Farm Broadcasters also will attend.

The Goodyear Conservation Awards Program provides recognition to conservation districts and individual conservationists in the 50 states, Puerto Rico and the Virgin Islands. Nearly 3,400 grand award winners have made the previous trips to Arizona and Florida since the program began in 1947.

Steenwyk is ass't Extension agent in York Co.

YORK — William L. Steenwyk has been appointed to Penn State's Cooperative Extension Service staff as an assistant Extension agent assigned to York County. His appointment was effective Oct. 15.

In his new position, Steenwyk will be responsible for the York County Extension educational program in field crops. He will also be responsible for some of the agricultural programs involving 4-H youth.

A native of Zeeland, Michigan, he holds a bachelor degree in crop and soil science from Michigan State University.

Prior to joining the York County Extension staff, Steenwyk was a farm chemical and technical supervisor for Estech Inc. of Holland, Michigan (formerly Smith-Douglass Fertilizer Co.)

The York County assistant agent served on the board of directors of the Michigan Pesticide Association since 1978.

Shorthorn Assn. seeks executive officer

OMAHA, NE — Richard Prentice, Fulton, Mo., president of the American Shorthorn Association, has announced the formation of a search committee to review candidates for the position of executive secretary-treasurer of that national beef cattle breed organization headquartered in Omaha, Ne.

Prentice said that quality and popularity of the Shorthorn/Polled Shorthorn breed has been increasing rapidly during the past decade. The leadership and foresight necessary to handle that pace of adjustment within the Association has dictated change, he said. Producers within the breed, he continued, will look to dynamic individuals who combine enthusiasm with leadership and the ability to guide and move the breed forward at a rapid rate in meeting its goals to serve the beef cattle industry.

The committee, Prentice said, will be reviewing applications as they are received in an effort to fill the position vacated by the resignation of James W. Shirley. Prentice said Shirley left the organization after nearly three years of dedicated service to Shorthorn producers who appreciated his efforts during a period when rapid change was seen developing with the breed.

During his tenure, the new concept of the breed, "The Changers," was brought forth and the American Shorthorn Association and its members began a change in its attitudes toward progressive development.

Persons interested in making application for the position as the top executive officer of the American Shorthorn Association, may contact Prentice directly at R2, Box 137A, Fulton, Mo. 65251.

Brockett's Ag Advice

By John E. Brockett
Farm Management Agent
Lewistown Extension Office

TAX PLANNING

Tax planning really starts with a good set of records. It is difficult to do an effective job of money management, including tax management, without records. They are essential in making a decent tax estimate. Let's look at a list of tax management aids provided by records.

- Records help you avoid leaving out deductible expenses—every $100 of missed expense items costs the average farmer $30 in taxes.
- Records help to determine when to sell capital items for maximum tax benefits. Each $100 of sales shifted from ordinary income to long term capital gains saves about $18 in taxes for the average farmer.
- Records are essential for accurate depreciation. Purchase dates, prior depreciation, etc help determine present years depreciation, depreciation recapture, and remaining balance in the case of traded items. Each loss of $100 from the depreciable base of a capital asset will cost the average farmer $6 per year in taxes.
- If your tax return is audited, a good record will go a long way in explaining and supporting the items on your tax return.

Historical records

One question I get is "How long must I keep my records and supporting evidence?" There are official and unofficial answers to this question.

Income and expense records must be kept officially for three years after the date the return is due or filed or two years after the tax is paid whichever occurs later. Unofficially I would suggest keeping the records for at least 5 years.

Records of capital purchases, including depreciable property, must be kept as long as they are needed to figure the basis of the property. What does that mean in time? First if it is depreciable property, it means keep the records for at least three years after depreciation runs out. For non depreciable capital assets such as land, it means three years after you sell it.

Example: You purchase a tractor in 1982. You pay cash of $8,000 plus a trade in item with a remaining basis of $1,200. What records need to be kept and for how long?

The records you need are the purchase date, purchase price, and prior depreciation of both the trade in item and the new tractor. You may also need verification of whether the new tractor is actually new or used when you purchased it.

Another record will be the allowed, the amount used, and the recapture (if any). "How long?" is another question. For proof of purchase and cost basis you will need to keep the records until 1990 if you used ACRS as your depreciation method. If you used ACRS - Straight Line, you will have to keep the records until 1991, 1997 or 2010, or three years after you sell or dispose of the tractor.

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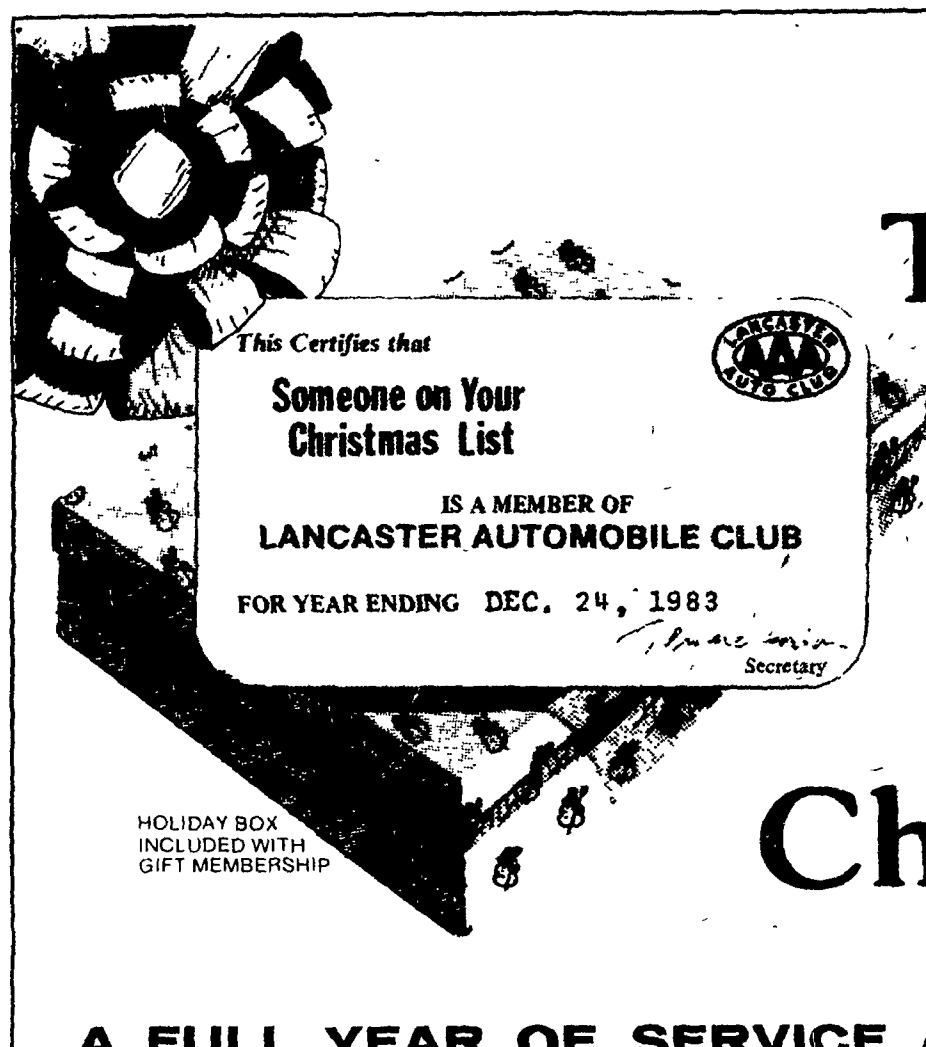

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Select hybrids to meet tillage needs

WESTPORT, Ct. — Everywhere the major topic of conservation in corn production, other than price, is tillage. Specifically, conservation tillage practices. Farmers, landowners, and farm managers have become acutely aware of the need to save our soil for future generations. Protecting precious topsoil from wind and water erosion, then, is what conservation tillage is all about.

There have been many articles written and research completed on fertility, and weed, insect and disease control programs for conservation tillage. These programs are important to keep production with conservation tillage competitive iwth conventional tillage, and each will differ widely between the two practices. However, very little has been written on one of the most important aspects of corn production — the relationship of conservation tillage to hybrid selection.

For a farmer to choose hybrids wisely, he has to know the difference between conservation and conventional tillage.

Conservation tillage attempts to control erosion by keeping as much of the residue of the previous crop on the soil surface as possible. On the other hand, conventional practices cover this residue to leave a cleanly plowed field. While a conservation tillage farmer will plant crops with as few trips across the field as possible, his conventional tillage counterpart will plant crops only when a near-perfect seedbed is attained — no matter how many swings across the field are needed.

These differences grow in importance for Illinois farmers selecting hybrids. Because of the residue on the soil surface, the soil will warm more slowly than cleanly plowed acreage. Additionally, with conservation tillage, seedbed preparation is often less than ideal. To counter these two conditions, hybrids must have very strong emergence and early vigor.

Root growth of corn plants is generally less with conservation tillage because of less seedbed preparation. With that in mind, a farmer should select a hybrid with an extensive, vigorous root system. Such a root system is needed to aid in water and nutrient uptake, as well as standability.

Because the previous crop's residue remains on the soil surface, potentially more disease organisms and insect larvae will over-winter. A hybrid for conservation tillage must be tolerant to this increased exposure to disease and insects, particularly European corn borer.

How does a farmer find out which hybrids meet the criteria for excellent production with conservation tillage? In addition to drawing on experience with hybrids he is now using, a farmer can rely on extension service plot results from counties where conservation tillage is widespread. He can also turn to experienced seedsmen who have access to industry and university plot results, and who know the kinds of yields local farmers using conservation tillage are getting.

The need to save our soil for future generations must, of course, be balanced with our immediate need for food and profit. Through conservation tillage and proper hybrid selection, farmers across the country can attain that balance.

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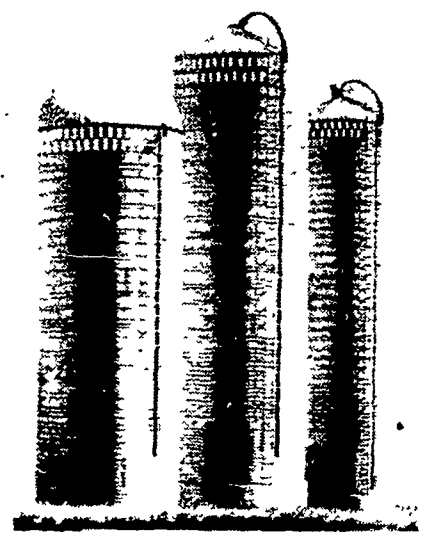

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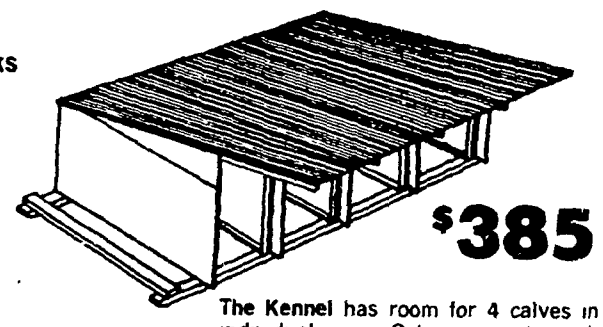

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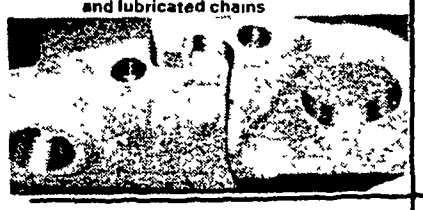

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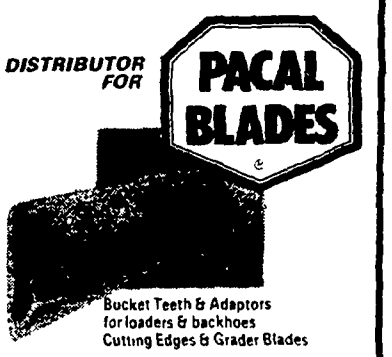

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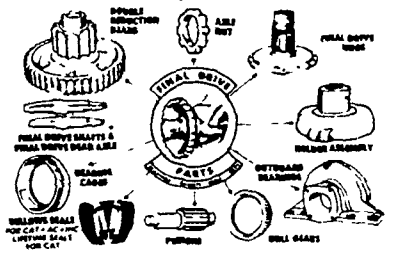

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Wayne DHIA completes record year

HONESDALE — The 56th annual meeting of the Wayne County Dairy Herd Improvement Association recently was held at the Pleasant Valley Grange Hall with 150 attending.

The association completed the testing year October 1 with an average production of 14,801 pounds of milk and 546 pounds of butterfat per cow. There was an average number of 5,013 cows enrolled during the year, the largest number of cows ever enrolled during 56 years of testing.

Kevin Burleigh, Pleasant Mount, was recognized for having the highest producing herd with a production level of 20,737 pounds of milk and 768 pounds of butterfat per cow. Rowe Brothers, Honesdale were honored for having the cow with the highest lifetime production record. The cow, Sophie, reached a lifetime record of 219,144 pounds of milk and 8200 pounds of butterfat. The 14 year old cow completed her eleventh lactation during the year.

The High Cow in Milk Award went to Bruce Stanton, Starrucca, for owning a cow, who completed a 305 day record of 29,114 pounds of milk and 1055 pounds of butterfat. The High Cow in Butterfat Award went to James Slocum, Susquehanna as a result of a record completed by "Carla" with 24,149 pounds of milk and 1092 pounds of butterfat.

Alton Olver, Honesdale, and Buckingham Dairies, Honesdale, were both awarded the High Quality Milk Award, which is based on the lowest average somatic cell count for the year.

Dairymen who received special recognition for having butterfat production herd averages in the 700 pound range were: Kevin Burleigh, Pleasant Mount, 768 pounds; Paul Kennedy, Honesdale, 742 pounds; Golden Willow Holstein, Honesdale, 742 pounds; James Slocum, Susquehanna, 721 pounds; Robert Fielding & Son, Lake Ariel, 721 pounds; and Bruce Stanton, Starrucca, 711 pounds.

Herds with butterfat production records over 650 pounds of butterfat were: Kinghill Farms, Starrucca, 681; James Woodmansee, Lake Como, 665; and Robert Fries, Aldenville, 663.

An election of directors was held during the course of the annual meeting with the following directors being elected: Paul Kennedy, Honesdale, Frank Marks, Damascus, Marly Shaffer, Lake Ariel and Charles Dennis, Honesdale.

Additional directors are Llewellyn Courtright, Lake Ariel, Ellis Dix, Pleasant Mount, Theodore Kostige, Lakeville, Alton Olver, Honesdale, Gary Rickard, Honesdale and James Slocum, Susquehanna, and Grant Teeple, Equinunk.

The speaker for the evening was Raymond Pruss, Administrative Assistant, Pennsylvania DHIA, University Park, who is a native of Wayne County. He discussed the state DHIA program with emphasis on the state laboratory practice, protein testing, and butterfat varioation.

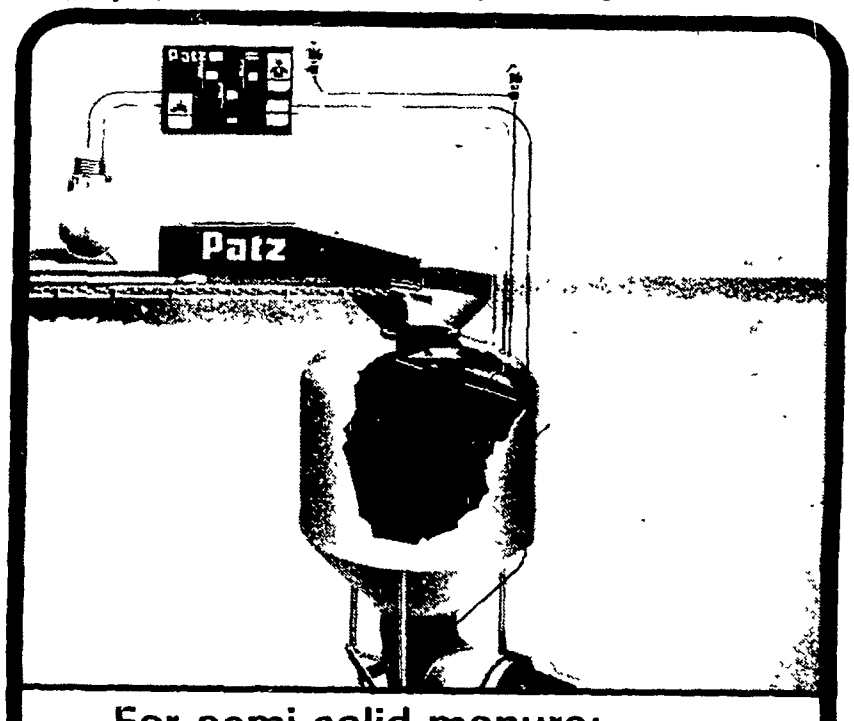
DHIA supervisors employed by the association are Steve Kammer, Honesdale, Doug Phillips, Starrucca, A. Linford Sampson, Equinunk, Joseph Schriefer, Pleasant Mount and Linda Wagner, Moscow.

Weeds shift

LANCASTER — In a system of continuous no-till production, the type of prevalent weeds tends to shift from mostly annuals to increasing numbers of herbaceous and woody perennial species. This puts more emphasis on such weeds as Johnsongrass and quackgrass.

Ky. is leader

LANCASTER — The state of Kentucky has been a leader in the adoption of no-till farming. It's estimated that at least on-third of all the corn and soybean farmers in the state now utilize reduced tillage on some of their land.



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1 pair of Perchon stallions 8 year old and 4 year old, 1 Registered, well mated, good size and the best of pullers; 2 black Perchon mares in foal bred to Perchon, 1 gray Perchon mare in foal, all well broke and good workers, 3 yr. old Morgan stallion, broke English, Western and to drive, 3 year old Morgan mare, 2 gray weanling fillies, 1 black weanling filly, 1 standardbred weanling colt.

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TERMS: A deposit of $20,000. in the form of a Cashier's Check only on day of sale payable to the Auction Co. Balance at settlement within 30 days from date of sale. OWNER FINANCING TO QUALIFIED PURCHASERS, for more details on terms & financing contact the Auction Co.

MACHINERY, TOOLS & FEED

J.D. 830 gas tractor, 737 hrs.; M.F. 165 gas tractor; Sauder front end loader; N.H. 510 single beater manure spreader w/new drag; N.H. 65 haybaler; N.H. 477 (7 ft.) cut haybine; N.H. 155 (40') hay elevator; D.B. hay rake; Woods Cadet 72" 3 pt. hitch rotary mower; Ford 3 pt. hitch 6' disc harrow; Ford 2 row cultivator; M.F. 2x14" 3 pt. hitch plow; 3 pt. hitch 6' scraper blade; 3 pt. hitch post hole digger; ¾ HP air compressor; 5 HP roto-tiller; Homelite E-Z chain saw; metal scaffolding; wooden ext. ladders; alum. step ladders; 150 gal. gas tank w/hand pump; locust fence posts; new 7' metal fence posts; elec. fencers; (2) new rolls of 42" woven fence; lg. & sm. shop vise; Craftsman & Rockwell ½" elec. drills; B&D 2 stone grinder; N.I. single hole corn sheller; clover seeder; and many more hand tools & shop items too numerous to mention. FEED: approx. 200 bales of straw; 600 bales of Alfalfa hay; 1000 bales of timothy hay and some ear corn.

HOUSEHOLD

4 pc. B/R suite inc. king size bed, dresser w/mirror, chifferobe & night table; sofa & matching chair; chest freezer; 2 refrigerators; 2 burner Coleman stove; Coleman heater; afgans & many more items too numerous to mention.

NOTE: Most of the machinery is in like new cond. & has had very little use.

TERMS: CASH/CHECK on day of sale. Not responsible for accidents.

Mr. & Mrs. J.W. Riggleman,
Power of Attorney for
MARGARETHE B. HOLTZINGER

Trout Auctioneers, Inc.
15 N. Court St.
Frederick, MD 21701
301-663-1555

Lunch By The Eastern Chapter of Mt. Airy

Trout Auctioneers, Inc.

Reports

A Public Sale of real estate, farm implements and antiques was held Dec. 4 by Emma C. Miller, 18 S. Camp St., Windsor, York Co., Pa.

The 17-acre property was sold for $61,000 and included 2 springs, 8 room asbestos house, frame barn and 2 car block garage.

Other prices were: 8N Ford tractor $2500, Farmall Cub tractor $1200, 1950 Chev. car w/36,000 miles $2050, 1952 Chev 2 door sedan $550, 6 cane seated chairs $110 each, treadle sewing machine $100, Victrola $90, school master's desk $850, blanket chest $110, blanket chest w/drawers $360, bedroom suite $95, oak dresser with mirror $210, 4 oak kitchen chairs $50 each, square oak table $230, dining room suite $255, brass bed $180, oak bedroom suite $675, Hoosier kitchen cabinet $550, pump organ $240, Harrison 12" barrel cat rifle $55 and picture frames $50 and $90 each.

Auctioneers were Chas. W. R. Arvin and Blaine N. Rentzel.

xxx

The Northeast Region Chianina Club Calf Sale was held Dec. 4 at the Frederick Fairground, Frederick, Maryland. There was a good attendance at the sale.

The 50 head of steers and heifer calves averaged $488 each. The steers averaged $555 and the heifer calves averaged $437.

The sale was managed by Dr. Lee Miller & Gordon Schubert.

xxx

A Public Sale of real estate and antiques was held Dec. 4 for the Annie M. Warner Estate and Walter Hannigan, in the Chanceford Community Center at the Brogue, York Co., Pa.

The house and lot located in Brogue was sold for $49,500. Other prices were: broom-making machine $585, Hoosier kitchen oak cabinet $460, dining room suite $300 and large York Safe & Lock Co. safe $400.

Robert L. Sechrist was the auctioneer.

xxx

A Public Auction of real estate was held Nov. 27 by Aaron M. and Mary Z. Reiff at Rothsville, Lancaster Co., Pa.

The 47.9 acre farm was sold for $4610 an acre or $220,998 to Carlton Busko, Lititz and Y. W. Kim of Ephrata. It included a 2½ story house, 2-car garage, three barns and a tobacco shed.

The auctioneers were John E. and Paul E. Martin.

xxx

A Public Sale of antiques and tools was held Dec. 4 by Raymond S. Fox, along Hahnstown Rd. between Bergstrasse School and Reamstown, Lanc. co., Pa.

Prices included: maple drop leaf table $550, square oak table $220, jelly cupboard $290, rope bed $85, wash stand $80, 6 cane seat chairs $180, radial arm saw $150, lathe $102.50, drill press $90, sausage stuffer $65 and 2 Booker T. Washington half dollars, dated 1946, $10 each.

Auctioneers were T. Glenn and Timothy G. Horst.

xxx

A Holstein Heifer Sale was held Dec. 4 by Floyd A. Everhart on Route 671 in Loudoun County, Va., ten miles north of Purcellville.

The 63 head of Holstein heifers averaged $621 each. The top selling heifer brought $2150 and the second high was $1320.

Sale manager was Remsburg Sale Service.

xxx

A Public Auction of machinery and antiques was held November 27 for Mr. and Mrs. Doyle Correll, four miles north of Bloomsburg, Pa.

Some prices included: manure spreader $160, A.C. WD tractor $825, round pedestal table w/4 chairs $600, butcher kettles $65 & $80, Shirley Temple pitcher $20 and the following toys--Little Jim #NX107 airplane $90, Grof Zeppelin $100, Huckster truck $50 and Fordson tractor $45.

Auctioneers were Gele L. Derr & Frank Stackhouse.

A Public Auction of farm equipment was held November 23 by Elmer S. and Ella Weaver, 1 mile east of Fleetwood, Berks Co., Pa.

Prices included: J.D. 2640 D tractor $8500 and J.D. 2040 w/1055 hours $6700.

Sale conducted by Ralph W. Zettlemoyer Auct. Co., Inc.

Public Sales Register

Closing Date - Monday, 5 00 P.M
of each week's publication

DECEMBER

SAT DEC 11 - 1 P M Public Sale of Swine. Located at the Auglaize Co Fairgrounds, Wapakoneta, OH Larry Leffel 419-753-2281

SAT. DEC 11 - 1 P M Public Sale of Farm. Located in Swatara and Bethel Twps , 1½ mi west of Fredericksburg, PA, Lebanon Co , along the Lickdale to Fredericksburg Rd., from the square in Fredericksburg, follow the Main St west past C.F Manbeck Poultry Plant, proceed approx. 1 mi. and crossover Int. 78 Bridge, continue to farm auction sign to your right, from Lebanon proceed north along Rt. 72, approx. 10 mi to Lickdale intersection, turn right at C P Long Sunoco Station and go approx. 4 mi to farm on your left Katie Loverich Estate. Roger L Myers, Auctioneer

SAT DEC 11 - 2 P.M Public Sale of Real Estate Located 9 mi north of Raystown Lake Hess Bros Farms, Inc , Owners Randal Kline, Lloyd Kreider and Roy Good, Jr , Auctioneers

SAT. DEC 11 - 11 A M. Public Sale of Antiques and Furnishings Located at the Odessa Fire Hall, Odeassa, DE, U.S. 13, 22 mi south of Wilmington, DE Mr and Mrs Finch, Owners Harry Rudnick and Sons, Inc, Auctioneers.

SAT. DEC. 11 - 11 A.M Public Sale of Cattle Located from Frederick take Rt 15 north to Rt 26 and turn left on Rt. 194, approx 1 mi. north of Keymar and approx. 3½ mi. south of Taneytown, Carroll Co., MD.

SAT. DEC. 11 - 9 A.M Public Sale of Box Manufacturing Equipment, Wood Working Machinery, Lumber and Building Material Located 4th and Mill Sts , Bridgeport, PA I F March Sons Co , Owner Henry K. Freed and Sons, Auctioneers

PUBLIC AUCTION

CONSTRUCTION EQUIPMENT
CARS, TRUCKS, LOADERS, ETC.
FRIDAY, FEBRUARY 11, 1983
11 A.M.
Felton, Delaware

Attention Contractors & Equipment Dealers
Consignments are now being taken.

Consign Now

Call or write us for consignments forms.

Chester Lee Carroll — Richard B. Carroll
Anthony B. Carroll — Harry Barrett, Jr. Sls. Mgr.

Carroll's Sales Co., Inc.

P.O. Box 307, Felton, Delaware 19943
302/284-4911 302/284-4541

PUBLIC SALE

OF 11 ACRES OF REAL ESTATE, FARM EQUIP., BUTCHER & OTHER TOOLS, HOUSEHOLD GOODS
NEAR MIDDLE CREEK WILD FOWL PROJECT
SATURDAY, DEC. 18, 1982
At 10 A.M.
Real Estate at 2 P.M.

Located just off Stricklerstown Rd. (approx. ½ mi. off Rt. 897 between Kleinfeltersville & Newmanstown), Middle Creek Township, Lebanon Co., Pa.

11 ACRES (MORE OR LESS) 2 MOBILE HOMES Mobile Home #1—10'x55' with addition. Mobile Home #2—12'x60'.

Cement Block Butcher Shop — 21'x26'. Several other outbuildings. Well and pressure system.

This picturesque property is over-looking Middle Creek Lake. Most of acreage is tillable. Excellent hunting.

OPEN HOUSES: Sats., Dec. 4 and Dec. 11, 1982 from 1 p.m. to 4 p.m. or for information or inspection call 1-717-949-2410 or auctioneer.

FARM EQUIPMENT

Allis-Chalmers CA Tractor with 2 Bottom Plow; New Holland Baler; 2 Row J.D. Corn Planter; New Idea Grass Mower; Disc; Cultipacker; Cultivator; Hay Rake; Farm Trailer; Hammermill; 5 h.p. Allis-Chalmers Riding Tractor; Rototiller; Chain Hoist; Block & Tackles; Chain Saws.

BUTCHERING EQUIPMENT

Butcher Furnace (2 kettles); Large Iron Kettles; Sausage Stuffers; Lard Press; Ladles & Dippers; Elec. Meat Slicer; Scalding Trough; Meat Grinders; Hod Scrapers; Butcher Knives; Cleavers; Meat Saws; Butcher Tables; Walk-in Cooler Compressor Unit; Cast Iron Troughs & Water Troughs; Single Trees; 6" Jointer & Motor; Sander; Bolts; Table Saw; Misc. Carpenter Tools; Hand Saws; Garden Tools.

SPLIT FIRE WOOD
FIELD CORN ON EAR
HOUSEHOLD GOODS

Jotul Woodburning Stove; Automatic Clothes Dryer; Blanket Chest; Hope Chest; Wooden Wardrobe; 15'x48" (Above Ground) Pool; New Pool Filter; Set of Encyclopedia; 10 Speed Girl's Bicycle; Snare Drum; Stereo; Misc. China; Glassware; Pots & Pans; many other articles too numerous to mention.

Terms by:
WILLIAM L. & SHIRLEY A. SMITH
T. Glenn Horst, Auct.
Timothy G. Horst, Auct.
859-1331
Steiner & Sandoe, Atty.
Food Available

CONSIGNMENT AUCTION

MONDAY, DECEMBER 27, 1982
9:30 A.M.

Large Selection of JD, IH, Ford, MF, Case, Oliver, AC, Tractors, Machinery and Construction

Consignments Accepted Anytime -
Reasonable Commission

ABSOLUTE AUCTION ITEMS INCLUDE:
(Partial Listing Only)

JD 4400 Combine w/1100 Hours - Nice
JD 444 Cornhead
JD 4020 Diesel - Power Shift (As is)
Long 550 Diesel
JD 60 w/NI 12 Roll Mtd. Picker
Ford 340 Skid Steer
JD 7000 8 Row 30" Planter
IH 56 4 Row Planter
Ferg. 2x3 pt. Planter
6 Tobacco Toppers
Flat Wagon
Ford 3 pt. Flail Mower
JD 18 1 Row Picker
David Bradley Sickle Mower
Souders Loader
Ford 2x3 pt. Plow
White 12' Transport Harrow
AC 6 Row 3 pt. Rolling Cultivator (Demo)
6' 3 pt. Blade
5' 3 pt. Rotary Mower
3 pt. Carry All
3 pt. Boom Pole
JD 2 Row Cultivator
IH 21 Double Disc Drill
NH 352 Feed Mill
7' 3 pt. Blade
3 pt. Woodsaw
JD 110 Tractor w/Blade
3 pt. Seeder
IH 28 Blade Disc
JD Offset Disc
JD KBA Disc
Ferg. 3 pt. Mower
Oliver 3X Roll Over Plow
IH Chisel Plow
Case Field Cultivator
MF Snow Plow
5' Snow Plow (New)
IH #10 Forage Wagon
JD Moisture Tester
Hog Pregnancy Tester
20 - Vanton Water Pumps
15 - Vanton Brass Pumps
15 - Sherwood Gear Pumps

Terms: Cash or Good Check.
Financing Available If Contacted
5 Days Before Sale.

Sale Held At:
WENGERS FARM MACHINERY, INC.
251 South Race St.
Myerstown, PA 17067
(717) 866-2135

AUCTIONEERS:
FRED GOODRICH — GLENN WENGER
BLAINE RENTZEL — CURT HOWARD

PUBLIC SALE

OF FARM EQUIPMENT
SATURDAY, JANUARY 1, 1983
At 10:30 A.M.

From Reading take Rt. 61 north through Leesport, watch for sale signs. Located at the north end of Centerport along Bern Rd., Centre Twp., Berks Co., Pa.

856 Int. Diesel w/Turbo; 674 Int. Diesel; D-17 Allis Chalmers, gas; 4600 Gehl Skid Loader (less than 3 yrs. old); Ferguson 30 Tractor w/3 pt. hitch blade; MF 410 Diesel Combine - 13' grain table & #33 Corn Head; M.F. 124 Pickup Baler w/bale thrower; C.B. 600 Gehl Harvester - corn & hay heads; N.H. 469 Haybine; New Idea 323 Single row corn picker; BW John Deere 23 Blade Transport Disc; 207 Hawk Bilt Manure Spreader; Walsh Trailer Crop Sprayer; Oliver 575, 4 Bottom, 16" Hydraulic Reset Plow; M.F. Dyna Balance 7' Trailer mower; 4 Row Oliver Corn Planter - liq. & dry hoppers; Gehl 95 Bu. Grinder-Mixer - 21" Mill; N.H. Rolabar 56 Hayrake; J.D. Ensilage Blower; 10' New Idea Lime & Fert. Drill; 2 McCurdy Grain Bins on New Idea Running Gears; John Deere 10' Pulvimulcher; Gehl 3 Beater 16' Forage Wagon; Dion 3 Beater 16' Forage Wagon; 3 - 18' Hay Rack Wagons w/Heavy Duty Running Gears; 1 - 16' Hay Rack Wagon; Niemeyer 16' Hay Tedder; Int. Flail Chopper; 10' Field Cultivator; 3 Sec. Rotary Hoe; Flat Wagon - N.H. Running Gear; Marting Manu-head Chute w/Hyd. lift on Wheels, like new; N.H. Wagon Running Gear; 30' Farmec Bale Elevator; Subsoiler for Allis Chalmers Snap Coupler; Onan 25KW Generator on wheels; 2 Speed 40 Ton Hyd. Press; Elec. Welder; Acetylene Torch; 2 Speed 4 Ton Hyd. Lift; Elec. Band Saw; Vulcan 3 pt. hitch Fertilizer Spreader w/attach. trailer; Snow Blade for H or M Farmall; 1100 Gal. Fert. Tank - poly; Pump w/elec. motor for Liquid Fertilizer, etc.; 4 Wooden Calf Hutches; Surge Alamo Vacuum Pump - used 2 yrs.; Wic Bedding Chopper; Bray Magnet Breedign Chart; No. 100 Int. Elec. Fencer; 12 hole Pig Feeder; Nuts, Bolts, Shovels, Forks, Chains, Items off Wagon. COME EARLY - Not many small items - Farm Equipment to be sold around 11:00 A.M.

Terms by:
ADEN & ANNA MARY OBERHOLTZER
Elton & Alvin Horning, Auctioneers
HORNING FARM AGENCY, INC.
Main St., Morgantown, Pa. 19543
215-286-5183

Public Sales Register

Closing Date - Monday, 5:00 P M.
of each week's publication

SAT DEC. 11 - 11 A M. Public Sale of Tractors, Farm Machinery, Trucks and Irrigation Equipment. Located 1 mi east of Goldsboro, MD on Road 287, first black top on left which is Jackson Lane Rd , 2nd farm on right Chris Lee, Owner. H N. Barrett, Jr , A.B and C L. Carroll, Auctioneers

SAT. DEC. 11 - 9 30 A M Public Sale of Cattle and Machinery. Located on the Telephone Road, 2 mi. west of Cincinnatus and 18 mi. east of Cortland, take Rt 41 to Telephone Rd Jack and Gene Wood, Owners. Jack Wood's Livestock and Auction Service and Bob Lathrop's Auction Service

SAT DEC. 11 - 10.30 A M Public Sale of Trucks and Food Service Equipment Located at 3964 Rt 3, West Chester Pike, Newton Square, Del Co , PA opposite Boot Rd and Richards Buick, 4 mi. east of Rt. 352 and 1 mi west of 252 Sandy's Lunch and Truck Catering Service, Owner George H Wilson and Son, Auctioneers

SAT. DEC 11 - 10 A M Public Sale of New Tools, Fabric, Buttons and New and Used Items Located 6 mi south of Quarryville, 8 mi north of Oxford, off 472 in Kirkwood at Kirkwood Fabric

TUES DEC 14 - Public Sale of Vehicles. Equipment and Dems Salvage Items Located along Stonetown Rd , just off Rt 422, 1¾ mi west of Baumstown, Rt 82 or 4½ mi. east of Reading, Exeter Twp , Berks Co Marvin Miller, Owner Frey Auctioneers

WED DEC 15 - 6.30 P M Public Sale of Wood, Coal and Kerosene Burning Stoves and Furnaces Located along Rt. 322 between Guthrieville and Rt 82, directly opposite pond, West Brandywine Twp., Chester Co , PA Brandywine Energy, Inc , Owners T Glenn and Timothy G Horst, Auctioneers

WED DEC 15 - 10 A M Public Sale of Kitchen Cabinets, Plumbing Supplies, Lumber, Plywood, Roofing, Nails, Rugs, Carpet, Oil Paintings, Molding, Artificial Brick and Trucks Located at Millhurst Mills, Millhurst, NJ William F Comly and Son, Inc , Auctioneers

THURS DEC 15 - 11 00 A M Monthly Cow Sale at Mel Kolb, Inc , Maryland Farm, Woodsboro, MD

THURS DEC 16 - Public Sale of Farm Equipment Located at Horst's Machinery Lot, Marion, PA 17235 Ralph W Horst, Auctioneer

THURS DEC 16 10 A M Public Sale of Heavy Equipment, Trucks and Cars Located at Highway Administration Bldg Rt 113, across from Blue Hen Mall, Dover, DE Dave Wilson, Auctioneer

FRI DEC 17 9 30 A M Public Sale of Livestock, Dairy Cattle, and Farm Equipment located in Fannett Twp , Franklin County, Pa Take Exit 14 from Penna Turnpike to Route 75 North, 3 miles north on Route 75 Turn first road right after Fannett Metal High School, cross bridge, turn right on Creek Road to Sale 3 miles Southeast of Village of Spring Run, 1 mile Northeast of Village of Willow Hill Watch for sale arrows Sale by Sam J Stoltzfus, Willow Hill, Pa 17271, Fred Harry and Abe Diffenbach Auctioneers

FRI AND SAT DEC 17 and 18 10 A M Public Sale of Plumbing Power Tools, Plumbing Hand Tools, Plumbing Pipe Fittings, Real Estate, Hardware Supplies, Garden Tools, Elec. Supplies, Shelving, Office Equipment and Etc. Located at 2605 Willow Street Pike, Village of Willow Street, near Willow Street Diner at Shaubach Plumbing and Hardware Store Shaubach's Plumbing and Hardware Store, Owner. Howard Shaub and Roy C Probst, Auctioneers.

FRI. DEC 17 - 11 A M Public Sale of Cattle. Located 4 mi southwest of Walworth, 2½ mi north of Macedon, Rt 350 at 2616 Weidrick Rd James Airy, Owner William Kent, Inc , Auctioneer

SAT. DEC. 18 - Public Sale of Household Goods, Antiques and Farm Machinery Located ½ mi west of Parkesburg

Clarence and Laura Varnes, Owner. Steve Petersheim, Auctioneer

SAT. DEC 18 - 10 A.M Public Sale of Real Estate, Farm Equipment, Butcher and Other Tools and Household Goods Located just off Stricklerstown Rd., approx. ½ mi. off Rt 897 between Kleinfeltersville and Newmanstown, Middle Creek Twp., Lebanon Co., PA. William L. and Shirley A Smith, Owners T Glenn and Timothy G Horst, Auctioneers.

SAT. DEC. 18 - 9:30 A.M. Public Sale of Antiques and Personal Property and Etc. Located from Longstown Intersection take Rt. 124 East towards East Propsect, approx 2-3 miles on Rt. beside Locust Grove Elementary School Lloyd W Fauth, Owner Bradley K. Smith, Auctioneer.

SAT DEC 18 - 10 A M. Public SAle of Cattle and Machinery. Located on Tripoli Road in Cuyler just off Rt 13, approx. 5 mi north of Truxton and approx 5 mi. south of DeRuyter Tripoli Farms, Owners, Jack Wood's Livestock and Auction Service.

TUES. DEC. 21 - 5:30 P M. Farmersville, Auction in Farmersville, 3 mi. East of Brownstown, Lancaster County, Pa John J. Rutt, Auctioneer

TUES. DEC 21 - 2 P.M. Public Sale of Farm Real Estate. Located in Southampton Twp , Cumberland Co., PA, from Shippensburg on South Fayette St., travel approx. ½ mi to the last farm on the left before Exit 9 of I-81 Estate of Howard M. Etter. Daniel D Hershey, Auctioneer.

MON. DEC. 27 - 9.30 A.M. Consignment Sale. Located at S. Race St., Myerstown, Pa. 17067. Sale held by Wengers Farm Machinery, Inc.

TUES. DEC 28 - 9 A.M. Public Sale of Antiques. Located 7 mi. southeast of Kutztown in Longswamp, PA, just east of Topton. Paul and Alice Johnson and Leland Smith, Owners. Ralph W. Zettlemoyer Auction Co.

COMPLETE CATTLE & MACHINERY DISPERSAL

Tripoli Farms
Leland & Zelia Hollister
Cuyler, N.Y.

SATURDAY, DEC. 18

10:00 A.M. Sharp

Mr. & Mrs. Hollister having decided to discontinue the farming operation have commissioned us to sell their cattle and machinery on the farm located on Tripoli Road in Cuyler just off Route 13, appx. 5 miles North of Truxton and approx. 5 miles South of DeRuyter. Watch for auction arrows.

110 HOLSTEIN CATTLE 110

The cattle consists of (72) milch cows (7) Bred Heifers (14) breeding age heifers (7) yearling heifers (10) started calves to 6 mths. of age. This dairy is in the following lactation (16) fresh, (10) due Dec. & Jan., (11) due Feb. & March, (6) due Apr. & May, (8) due June, (5) due July, (16) due Aug. Lee started out using Eastern breeding and then switched to Curtiss breeding and most recently has started using Eastern breeding again. The AI breeding shows up good in this herd, mostly a young dairy. All cattle will have shipping fever shots plus blood & TB tested ready for immediate shipment day of sale also will be vet examined for pregancy.

MACHINERY

Ford #9000 diesel tractor w/Hiniker cab, Ford #8000 diesel tractor w/all good rubber all around (perfect condition), Farmall (M) tractor w/line power (excellent condition), Cockshutt #40 w/Chevy #327 engine, Ford #132 - 5 btm. trip btm. plow, Ford 4 section drag, Ford 3 pt. hitch 6 row cultivator, Saturn #6 Rotary mower, Double rake hitch, AC #2300 wing type disc, Fahr Centepede Tedder, NH #489 haybine, NH #269 baler w/kicker, NH #890 chopper w/2 row corn head & pick up head sells separately (like new condition), NH #27 Whirl-A-Feed Blower, NH -3- beater self unloading box on good running gear, (3) kicker racks on NH running gear, (2) Badger -3- beater w/roof self unloading box on good running gears, NI #325 picker w/314 sheller bed (2 row) (top condition), NI rake w/rubber mount teeth, NI 3 pt. hitch fertilizer spreader, NI spreader w/tailgate, Kil Bros Gravity Flo box w/auger on Kil Bros. running gear, Little Giant Gravity Flo box on David Bradley running gear, Lamco Gravity Flo box on Electric Wheel running gear, (3) double ring tractor chains (1) 20.8x38 (new), (1) 18.4x38, (1) 13.4 x 38 chains, Wic Bedding Shredder, Uebler #600 self propelled feed cart, plus other misc. items not listed.

MANAGERS NOTE: A good dairy of mostly young milky cattle and an exceptional line of good clean equipment. Make plans to attend this Top sale of cattle & machinery. Please be on time not many small items. List of sale order, small items, machinery and cattle. (Inspection Welcome Any Time.)

Owners
TRIPOLI FARMS
Leland & Zelia Hollister
Phone 607-842-6536
Jack Wood's Livestock & Auction Service
Sales Manager
Cincinnatus, NY 13040
Phone 607-863-4141

AIRY-HILL REGISTERED HOLSTEIN DISPERSAL

FRIDAY, DECEMBER 17, 1982

at 11:00 A.M
Macedon, NY

Located 4 miles southwest of Walworth, 2½ miles north of Macedon Rt. 350 at 2616 Weidrick Road.

SELLING:

100 Head of Registered Holstein Dairy Cattle. 40 cows averaged 16,326 milk and 3.5% test with 570 fat. 43 cows, 25 bred heifers, and the balance open heifers and calves.

This herd is bred for year-round freshening with bred heifers due starting in January. All cattle will have blood and TB test and shipping fever innoculations. Sires represented are: Astronaut, Flame, Apache, Bootmaker, Willow, Creek, Matt Tippy, Glen Valley Star, East Star, Tamalane, Barrett, Mark A, and Dodge View Gean. Several daughters sell from a Milu son out of an "EX-92" "2-E" dam with records to 25,000 milk and 1116 fat. This herd is housed in a stanchion barn.

"Jim Airy has bred and developed a number of fine cattle that have the potential and the production to put your herd on the profit side of the ledger."

TERMS: Cash or good check day of sale with ID.

Owner
JAMES AIRY
Ph. 315-986-4158

WILLIAM KENT, INC.
SALE MANAGER & AUCTIONEERS
BERGEN, NY Ph. 716-494-1890

PUBLIC AUCTION

VALUABLE ANTIQUES AND HOUSEHOLD GOODS

FRIDAY, DECEMBER 17, 1982

10:00 A.M.

Located along Rt. 372, midway between Quarryville and the Buck. Or 13 miles South of Lancaster off Rt. 272 at the Buck, turn East on Rt. 372 about 2½ miles.

Blanket Chest; Round Oak Table with Claw Feet & Boards; Jelly Cupboard; Drop Leaf Table; Washstands; 5 Walnut Polar Chairs; Plank & Cane Chairs; Old Dovetailed Desk; Childs Rocker; Infant Bed; Walnut Rocker; Gooseneck Rocker; Clothes Tree; Floor & Table Lamps; 3 pc. Waterfalls Bedroom Suite; 4 Dressers; 2 Rollaway Beds; 2 Metal Wardrobes; Old Baskets; Mirrors; Wall Phone; Old Post Cards; Session Wall Clock; Oak Shelf Clock; Steeple Clock; Oil Lamps; 4 Oil Stoves; Butchering Furnace; Butchering Ladles; 2 Iron Kettles, 1 three legs; Drop Handle Milk Cans; 2 Corn Dryers; Potato Grater; Old Bottles; Meat Grinder; Dovetailed Copper Kettle; Copper Tea Kettle; Grindstone; Wheelbarrow; Berry Boxes & Crates; Wheat Cradle; Hay Knife; Wooden Barrels; Wooden Cigar Molds; Cast Iron Pot Belly Stove; Sm. Gas Stove. Many more items too numerous to mention.

AUCTIONEER'S NOTE: Don't miss this sale. Antiques galore. One of the better sales in the Southern End of Lancaster Co. Not Responsible for Accidents Day of Sale. No Out of State Checks. Refreshments Available.

Sale by
JOHN W LEWIS, JR.
Auctioneers Conducting Sale
Lloyd H. Kreider, Randal V. Kline
Gary L Shirk

KREIDER & KLINE AUCTIONEERS
Phone 717-786-3394

Good's Auction

111 North Maple Ave.
Leola, PA

Hay, Straw and Corn Sales
Every Wednesday at 12:00 Noon

DAVID H. GOOD & SONS
111 North Maple Ave., Leola
717-656-9558

PUBLIC AUCTION

OF ANTIQUES, PERSONAL PROPERTY ETC.
SATURDAY, DECEMBER 18
At 9:30 A.M.

The undersigned power of attorney for Lloyd W. Fauth located: from Longstown Intersection take Rt. 124 East towards East Prospect, apx. 2-3 miles on rt. beside Locust Grove Elementary School sign posted. Will offer at Public Auction on the premises the following.

ANTIQUES

Secretary/Book Case Comb 68" high, Pine dry sink zinc A1, marble top stand fancy 8 leg hexagon table, pine side board, oak dresser, oak kitchen clock, oak 5 leg table w/boards, 3 pine blanket chests, RARE F H Cowden Harrisburg, PA pancake batter jug, quilts, pine wall cupboard, oak frame sofa & 2 chairs, 5 pc bedroom suite, 6 painted plank bottom chairs, painted rocker, oak pressed back rocker and press back & plank bottom chairs butter press, 3 butter churns, cherry drop leaf table, oak single bed, lg oak chamber chair, cherry dresser, beautiful oak trim lg picture frame, oak cloth tree, 10 candle mold, old crib and cradle, old babie doll and carriage, Borunswick Victoria, 1858 Dr Martin Luther German Bible, A F Burg East Prospect plate, quilting frame, nice coffee ginder, cast iron bull dog, Accordian made in Germany, 4 string banjo, prize guitar, butter scales, Lelaual cream seperator, ukulele, Sellers oak kitchen cabinet, old childs sled, childs wagon w/side boards, 3 wash tubs, F H Cowden Harrisburg 3 gal jug, lots of crocks sausage stuffer, lard press, brass bucket and kettle, oak treadel sewing machine, cream pail, copper wash tub, smoking stand, old boxes, sad irons, old records, 1858 mason jars, granite coffee pot and granite items, 2 gallon Cowden & Wilcox Harrisburg, PA., 6 gallon crock Phaltzgraff York PA w/lid, butcher kettle, woven baskets 5 kerosene lamps, wooden handled knives & forks dated 1879 shoe last, small kettle w/brass bottom, small wooden measures, 2 complete sets of harness, old wooden wheel barrell, shovel plow, single trees lg butcher bench, feed box, nice old wood box, lattern, 3 milk cans, 2 hole belt drive corn sheller, George Washington milk pitcher, apx 30 pcs of Blue Cambridge China made in England, salts, Leuchonburg hand painted china, Noritake dish, Cows pattern dish, lots of real nice Depression glassware, several hand painted plates, Carnival glass, lots of glassware packed in boxes from 1940 If you buy nice glassware you don't want to miss this sale, there is all kinds china and glassware, most with out any chips If you want to buy nice Antiques, please come early, dress warm and plan to stay all day If bad weather, we will be selling furniture out of barn & glassware etc out of house

PERSONAL PROPERTY, ETC.

small 2 wheel trailer, Sparton power 2 H P 30 gallon sprayer (good), wood ladders, wheel barrell, Lawn Boy 21" R C A color TV, Ref, Frigidaire auto washer, 1 h chest freezer, bell ringer, tools power hand & garden, market scales, rugs, also lg tool shed to be sold - must be removed And much more Please come to buy

TERMS: Cash or Good Check - No Out of State Checks Food Available. Not Responsible for Accidents

Bradley K. Smith
Auctioneer
(717) 244-6324
Clip And Save This Ad

GLENN W. FAUTH
POWER OF ATTORNEY
HUGH D. MANIFOLD, ATTORNEY

SPECIAL HORSE SALE DRAFT HORSES, MULES & DRIVING HORSES

FRIDAY, JANUARY 7, 1983

Tack 9:00 A.M.
Sale 10:00 A.M.

AT NEW HOLLAND SALES STABLES, INC.

12 Miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa.

2 Load Draft Horses and Mules consigned by Ward Wright.

1 Load Draft Horses consigned by Bud Leonard.

1 Load Draft Horses consigned by Jim Howard.

1 Load Draft Horses consigned by Christ Smucker.

1 Load Draft Horses consigned by Bill Meadows.

1 Load Driving Horses consigned by Clayton Waterbury.

1 Load Driving Horses consigned by Elam B. Stoltzfus.

1 Load Driving Horses consigned by Reuben Stoltzfus.

1 Load Driving Horses consigned by Jonas Beiler.

1 Load Driving Horses consigned by Levi B. Stoltzfus.

1 PAIR REGISTERED SORREL MARES - 7 and 8 YEARS OLD IN FOAL.

Plus many more consignments.

For more information contact:
Abe Diffenbach, Mgr. 717-354-4341
Norman Kolb 717-397-5538

Next Horse Sale January 21, 1983

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

FEATURING FIRST
AND THIRD MONDAY
EACH MONTH

GRADED FEEDER PIG SALE

1:30 p.m. Sharp!

Telephone 302-734-2016 or 284-4541
Tele-O-Auction - 302-284-4912

* Tele-O-Auction - Bid over the telephone.
* Easy to reach - Rt. 13, on South Bound Lane, approximately 10 miles South of Dover, Delaware.
* Quick Service - Load & Unload.
* No Dealer pigs.
* Pigs received after 7 a.m. until 11 a.m.
* Consignors - Paid day of sale.
* Veterinarian inspection on premises - Dr. Towers.
* State Graded.
* Pseudorabies Free State.

Auctioneers-Harry Barrett - Chester Lee Carroll

AUCTIONS OF ALL TYPES

PUBLIC SALE

SAT. DEC. 18
10:30 A.M.

FARM MACHINERY, HOUSEHOLD GOODS, ANTIQUES, LUMBER, TOY TRAINS, 1923 MODEL T FORD ENGINE

Located in Chester Co., PA, 5 miles East of Gap, ½ mile West of Parkesburg on Strasburg Rd.

HOUSEHOLD GOODS & ANTIQUES

10 piece dining room suite, Columbian Palace range cook stove with pipe shelf, very nice min. size, dry sink, Maytag ringer washer, twin tubs, wooden casing pitcher pump, cabinet and table, pitcher and bowl set, jelly cupboard, cushion chairs, leather chair, apple peeler, oak light stand, utility cabinet, **solid wood bureau** with wooden drawer pulls, **cherry bureau** unusual top drawer dove tail wooden wardrobe, wash stand, old dresser, Singer sewing machine with cabinet, very nice, 4 matching chairs, metal wardrobe, magazine rack, wicker hamper, pressure cooker, old egg scales, **old iron light with glass and brass shade,** old milk bottles, few dishes - 2-5 gal. water jugs, crocks, metal porch recliner, 2 old radios, rocker, cane chair, library table, old piano roll cabinet old wooden pencil box, **Enterprise coffee mill.**

Model T engine in running condition, chasis needs work

OLD TOY TRAINS

2 Union Pacific locomotives No. 2023 Sunoco tank car, Lionel cattle car, Lehigh Valley coal car, Metal RR crossing, cast iron locomotives, 3 cast iron cars, 1 coal car, **cast iron cap pistol.**

FARM MACHINERY & BUTCHER TOOLS

3 pt. 2 disc plow, NI No. 17 ground drive manure spreader, Oliver 13 disc grain drill, Int. 2 row corn planter, IH 4 bar rake, Int. No. 9 mower 7 ft. bar, approx. 24 bale meadow hay, 2 row 3 pt. cultivators, 3 section spring tooth harrow, 3 pt. post hole digger, chicken coops, 3 bundles wood shingles, paint sprayer, meat hooks, sausage stuffers, iron kettle, hardware for round the corner door, Old Schwinn bike, chicken coops iron troughs, windows PA NO. 8 - 2 hole corn sheller drums, forks, brooms, etc.

LUMBER

200 board ft. cherry wood furniture grade heavy timber 2 - 4x8 19 ft. long, 20 pieces 3x8 - 18 ft. 6x6 fir 16 Ft. 2 - 10 ft. 100 pieces 2x4 - 7 ft. lenght 2x10 and 2x6s 30 pieces 3x4 - 16 ft. long, 8 pieces 6x6 - 6 ft. long.

LAWN FERTILIZER SPREADER

Owners,
CLARENCE & LAURA VARNES

Auctioneer, Steve Petersheim
786-4624
593-2442

Lunch on Premises

JANUARY

SAT. JAN. 1 - 9.00 A.M. Farmersville, Auction in Farmersville, New Year's Day Antique Sale, 3 mi. East of Brownstown, Lancaster County, Pa. John J. Rutt, Auctioneer

SAT. JAN. 1 - 10.30 A.M. Public Sale of Farm Equipment. Located at R.D. 1, Mohrsville, Centre Twp., Berks Co. Aden K. and Anna Mary Oberholtzer, Owners Horning Farm Agency, Inc., Auctioneers

SAT. JAN. 1 10.30 A M Public Sale of Farm Equipment, Storage Bins and Trucks. Located taking Rt. 74 south from Dillsburg off Rt 15 to Rt 194 south to 1st road on right, only 2 mi from Dillsburg, Pa Albert L Glenn, Owner, Blaine N Rentzel, Auctioneer

THURS. JAN. 6 - 11 00 A.M. Monthly Cow Sale at Mel Kolb, Inc Lancaster Farm, 2220 Dairy Road, Lancaster, Pa

FRI JAN 7 - 5 30 P M Gap Auction Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

FRI. JAN 7 - 10 A M Horse Sale at New Holland Sales Stables, Inc , 12 Miles East of Lancaster, Pa just off Rt 23, New Holland, Pa For more information contact Abe Diffenbach, Mgr 717-354-4341 or Norman Kolb 717 397-5538

TUES JAN 11 - 12.30 sharp 4th Annual Draft Horse and Mule Consignment Sale located at Kingsport Livestock Market, just off Hwy 11-W Mack Blevins and Danny Mouser, Auctioneers

FRI JAN 14 5 30 P M Gap Auction Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

THURS , JAN 20 11 00 A M. Monthly Cow Sale at Mel Kolb, Inc , Maryland Farm, Woodsboro, MD

FRI JAN 21 - 5 30 P M Gap Auction Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

FRI JAN 21 10 A M Horse Sale at New Holland Sales Stables, Inc , 12 Miles East of Lancaster, Pa. just off Rt 23, New Holland, Pa For more information contact Abe Diffenbach, Mgr 717-354-4341 or Norman Kolb 717-397-5538

FRI JAN 28 1 30 P M Dairy Cattle Sale at Penns Valley Livestock Auction, Centre Hall, PA

FRI JAN 28 5.30 P M Gap Auction Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

FEBRUARY

FRI. FEB 4 - Public Sale of Farm Equipment at New Holland Sales Stables, Inc , New Holland, Penna

HAPPY ACRES FARMS

11th DUROC & YORKSHIRE SALE

SAT., DEC. 18

1:00 P.M.
Selling:

40 HEAD DUROC & YORKSHIRE BRED GILTS
25 HEAD DUROC & YORKSHIRE SERVICE AGE BOARS

Bred gilts will include both Jr., Champion & Res. Jr. Champion Duroc Gilts at 1982 NYS Fair.

Some gilts will be bred for crossbred litters. Most of offering is sired by or bred to top performance tested boars, same breeding as our Supreme Ch. Market Hog at 1982 Finger Lakes Spectacular show and sale.

For catalogs, write: R.D. #3, Box 207, Yost Road Waterloo, New York 13165

Harry Bachman, Auctioneer
Annville, Pennsylvania

PUBLIC SALE

OF VALUABLE FARM REAL ESTATE
TUESDAY, DEC. 21, 1982
2:00 P.M. on Premises

The undersigned, as executors of the estate of Howard M. Etter, deceased will offer for public sale an eighty (80) acre farm located in Southampton Township, Cumberland County, Pennsylvania. If leaving Shippensburg on South Fayette St., travel approx. ½ mile. Turn right on Route 696 south for approx. 1½ miles to the last farm on the left before Exit 9 of Interstate 81.

This farm is improved with a 2½ story wood, stone and brick house; 4 rooms on the first floor with modern built-in kitchen; 4 rooms on second floor with full bathroom; ½ story as attic; oil fired, forced-air heat; standing seam tin roof.

Also having two story stone, frame and weather board bank barn with 2 barn floors; mows on both sides; graineries; barn hill and first floor are concreted; stalls for 25 head of cattle; 3 box stalls; nice-sized concrete block milkhouse attached to barn; implement shed attached to barn; standing seam tin roofs.

Outbuildings include: wagon shed with two corn cribs attached; hogpen; chicken house; and others.

Good well of water with running water in house and barn.

This farm will be offered in three (3) separate parcels:

The parcels consist of the following:

1. Eighteen and one tenths (18.1) acres of farm and woodland located on the south side of Interstate 81.

2. Thirty-seven and four tenths (37.4) acres of farmland including all buildings located on the south side of Route 696.

3. Twenty-four and nine tenths (24.9) acres of farmland located on the north side of Route 696.

Parcels 2 and 3 have ample road frontage on Route 696.

(Note: This farm is centrally located consisting of productive limestone ground. House, barn and outbuildings are in good state of repair.)

Terms of Sale: 10% down on the day of sale. Balance in full and final settlement Feb. 1, 1983. More information will be read on the day of the sale. For inspection by appointment, call 243-7237 or 243-3004 or 532-6453.

By Guy W. Etter, Arthur G. Etter
& Abbie J. Myers, Executors
OF THE ESTATE OF HOWARD M. ETTER, DECEASED
Robert M. Frey, Attorney
Daniel D. Hershey, Auctioneer

PUBLIC AUCTION

HEAVY EQUIP. - TRUCKS - CARS
THURSDAY, DEC. 16, 1982
10:00 A.M.

LOCATION: Highway Administration Bldg. Rt. 113 (Across from Blue Hen Mall), Dover, DE.

The Dept. of Administrative Services, Div. of Purchasing will sell at public auction the following State of Delaware equipment:

Dump Trucks; Reo Auger Truck; Wreckers; 4 X 4 Trucks; Mowers; Rollers; Truck Tractor; Station Wagons; Pickups; Sedans; Cat Grader; AC Loader; Case Hoe-Loader; Salt Hoppers; Snow Plow Blades; Tar Kettles; Gradall Buckets; Many Additional Items.

SPECIAL MENTION-COLLECTABLES: Old Cast Iron Railroad Crossing Signs.

INSPECTION: Wednesday, Dec. 15, 1982 from 10:00 A.M. to 2:00 P.M. Startup of equipment will be between these hours ONLY.

TERMS: Cash, Certified Check, Traveler's Check or approval by Auctioneer.

AUCTIONEER:
WILSON'S AUCTION SALES, INC.
DAVE WILSON
(302) 422-3454 or 856-2110

PUBLIC SALE

"NEW YEAR'S DAY"
JANUARY 1, 1983
10:30 A.M.

FARM EQUIPMENT - STORAGE BINS & TRUCKS

Glendale Farms - Dillsburg, Penna

Located - Take Rt. 74 south from Dillsburg (off Rt. 15) to Rt. 194 south to 1st road on right, only 2 miles from Dillsburg, Pa. "Watch For Signs"

TRACTORS

Massey Ferguson 1135 Diesel w/ cab & heater - 1200 hrs. Allis Chalmers 185 Diesel w/1700 hrs. Swarts Loader Quick Tach for A.C. 185 & others. Massey Ferguson 7 hp. riding mower. Antique tractor - Gibson w/snow plow & bottom plow, made in Longmont, Colo.

COMBINES

International 1440 Auxiliary Flow Diesel Combine w/1100 hrs. & 15 ft. grain head w/floating cutter bar, heater control. 6 Row Corn Head for Int. Combine narrow row.

TRUCKS - TRAILERS

1980 Chev. C20 Pick-up 24,000 mi. 1974 Mack Truck Tractor Twin Screw & 5 speed Maxidine trans. w/wet line. 1968 Chev. Grain Truck 16' w/hoist, 26000 GVW. 1961 GMC Tool Truck. Wolverine Goose Neck Trailer 40 ft. w/tandem Dual Wheels. 28' Donahue Equip. Trailer. Mobile telephone Unit, complete.

STORAGE BINS & AUGERS

Brock 28,000 Bushel Bin w/False Floor 36' Diameter. Brock 7000 Bushel Bin, False Floor, 27' Diameter. Shiver System 10 hp. Propane fan. 51 ft. Grain Auger 8" w/Transport.

TILLAGE EQUIP.

Int. 710 5 Bottom Plow - 18" or 20" Bottom. 12' Pittsburg Transport Disc. (2) 9 Tooth Soil Master Chisel Plows (pull type). A.C. 2500 Fold Disc. 19' Dunham Cultipacker w/fold up wings. 13' Massey Harris Rotary Hoe. 6 Row A.C. 333 No-Till Planter dry Fertilizer & Insecticide (Narrow Row). (2) Massey Fergusen 43 Grain Drills (1 has double disc openers & press wheels).

MISC.

7' New Idea Trailer mower, C80 Woods Rotary (pull type), 8 ft. Massey Ferguson 3 pt. Blade, J & M Gravity Bin 350 bu. w/Pipen wagon, 2 - 200 gallon tractor mtd. sprayer tanks, 2 - 1500 gallon storage tanks for spraying, PTO sprayer pump, 3 hp. gas motor w/pump, New Holland 800 Spreader tandem axle, 11 hp. Lincoln portable welder & 45 Watt Generator, Portable gas tank (pick-up truck mtd.), hydraulic cylinders, chain, misc. tools, bolts & etc.

AUCTIONEER'S NOTE: Most of this equipment was bought new with in the last 4 years & has been taken very good care of. This equip. is ready to go to the field. Not many small items so sale will start promptly at 10:30 A.M., all items will be sold, no reserved bids. Full settlement sale day. "TITLES" for vehicles will be mailed to buyer with in 1 week of sale.

OWNER:
ALBERT L. GLENN
Glendale Farms
Daytime: 717-545-6400
Evening: 717-432-2630

AUCTIONEER: Blaine N. Rentzel
Emigsville, Pa.
Daytime: 717-764-6412
Evening: 717-266-1671

CHRISTMAS HOLIDAY COW SALE

FRIDAY, DECEMBER 17, 1982

1:00 P.M.

To be held at Smoketown Quality Dairy Sales Co., Smoketown, PA. Rt. 340. 5 mi. E. of Lancaster, 5 mi. W. of Intercourse.

ONE LOAD OF REGISTERED AND GRADE COWS AND HEIFERS OUT OF NEW ENGLAND STATES AND CANADA, CONSIGNED BY JOHNNY JR. COWS MILKING 60-90 LBS.

Eleven Grade heifers. One bred, due Jan. 2 to Special #1252m. +30F. Daughs. Avg. 16,071m. 3.6t. 574F. Her Sire was Producers Skylark Comet. Daughs. Avg. 16,877m. 3.5t. +1141m. +30F.

The other 10 heifers are 15 months old. All vacc. & dehorned, open and ready to breed. 5 are sired by Marvex +972m. Daughs. Avg. 17,529m. 3.7t. 646F. 5 are sired by Bootleg V.G. 87 +491m. Daughs. Avg. 16,900m. 3.4t. 577F. Included in this group of heifers are Twins by Marvex out of V.G. Dam. These heifers are from good herds. Raised on Alf-Hay, chop, & pasture and lots of T.L.C.

Reg. Canadian - Born 11-7-78 - Sire Southview Philipps with a heifer calf by Southview Len Startrack.

Reg. Born 1-1-79 - Lime-Hollow Famous Ned - V.G. 87 5 yr. +263m. +28F. Daughs. Avg. 16,430m. 3.7t. 611F. Dam +74m. +20F. 3 yr. 2 m. 305d. 9,660m. 4.0t. 389F. - 4 yr. 1 m. 278d. 11,630m. 4.3t. 505F. - 5 yr. 1 m. 305d. 16,020m. 4.1t. 655F. Granddam +191m. +22F. 305d. 13,760m. 4.0t. 547F. - 2 Records over 18,000m. 3.7t. 3.6t. over 600F.

Reg. Born 6-1-77 - Arlinda Elm. G.P. 80 - 2 yr. 4 m. 305d. 13,695m. 3.8t. 521F. - 3 yr. 5 m. 279d. 14,002m. 4.0t. 555F. - 4 yr. 4m. 305d. 16,788m. 4.0t. 669F. - 349d. 17,900m. 4.0t. 723F.

Reg. Born 10-30-79. Glen-Valley Star. 93 pts. 1 yr. +1149m. +35F. Daughs. Avg. 18,298m. 3.5t. 653F. Dam 2 yr. 305d. 13,120m. 4.2t. 554F. - 3 yr. 1 m. 305d. 17,570m. 4.2t. 735F. Granddam - 1 yr. 10 m. 285d. 11,010m. 3.9t. 428F. - 3 yr. 11 m. 305d. 17,560m. 4.3t. 747F. - 4 yr. 10 m. 305d. 19,650m. 4.2t. 817F. - 5 yr. 10 m. 305d. 19,640m. 4.3t. 836F. - 7 yr. 305d. 22,210m. 4.1t. 915F.

Reg. Born 10-10-79 - Willow-Farm Rockman Ivanhoe +1008m. +37F. Daughs. Avg. 17,585m. 3.6t. 635F. Bred to Stargazer - PD milk 1190.

Reg. Born 11-1-77 - Barrett-Ranch Ivan Rockman +1780m. +47F. Daughs. Avg. 18,577m. 3.5t. 657F. Bred to Penn-Dell Apollo King Arthur +815m. +.16 +53F. Daughs. 17,197m. 3.7t. 651F.

Reg. Born 7-5-79 - Soissons Rockman Prince

Reg. Born 12-5-78 - Sunnyside Engraver Astro - Twin - Bred to Willards Elevation Reform. Record- 245d. 14,287m. 473F. 4.1t. proj. 17,073m. 588F. 2 yr. 2m. 14,697m. 488F. Maternal sister to Dam - records to 22,296m. 684F.

Reg. Born 6-1-79 - Fancy Show Cow - Limestone Standout Strephon +1959m. +48F. Daughs. 18,429m. 3.5t. 645F. Bred to Moodys Pat Troy +1844m. +78F. Daughs. - 17,958m.

Reg. 3 yr. old Caernarvon Dotchoe

Reg. 5 yr. old Weed Farms Jason Earl

Reg. Heifer calf born 9-26-82 - Sire- Matcan Cavalier Willie - Son of Ca-Lill Standout Cavalier +2061m. +42F. Daughs. 18,727m. 3.4t. 649F.

Reg. Bull born 1/7/81 - Roybrook Starlite.
Dam- Kilkaro Kim Bootmaker, VG 85 -
3 yr. 4m. 291 dys. 14,775m. 3.6t. 528F.
4 yr. 3m. 296 dys. 15,585m. 3.6t. 567F.
GrDam EX- 3 yr. 317 dys. 16,292m. 3.7t. 612F.
4 yr. 223 dys. 18,528m. 3.8t. 708F.
6 yr. 360 dys. 22,664m. 3.5t. 789F.

Grade Bull - Born 5-16-81 - Sired by Elevation Son from Type Blazer Daugh. - 3 Gen. Ex. 3 Gen. 4.0t. with 24,000 +28,000 lbs. milk on Dam & Granddam.
Dam- Astronaut Daugh. - 3 yr. 9m. 20,413m. 732F.
6 yr. 1m. 21,170m. 722F.
9 yr. 4m. 22,694m. 765F.

In appreciation for your support this year a gift for every buyer Turkeys for some of the lucky buyers.

Where Buyer and Sellers Meet
"Cowtown in the Little Town of Smoketown"

Refreshments for the Dairymen
Cows milked at regular time.
Cash or good check day of sale.

Sale managed by
SMOKETOWN QUALITY DAIRY SALES CO.
GORDON & HELEN FRITZ
717-393-0930

Wishing You And Your Families
A Very Merry Christmas And A Prosperous New Year

Public Sales Register

Closing Date - Monday, 5:00 P.M of each week's publication

SAT. FEB. 5 - 2 P.M Public Sale of 2½ Story Frame Dwelling and Barn on 1 Acre of Land Located at 181 E. Main St, Leola along Rt. 23 in the Village of Bareville, John Henry and Esther H Weaver, Owners. Robert E. and Jeffrey R Martin and Frank L Steller, Auctioneer

FRI. FEB 11 - 10 A.M. Horse Sale at New Holland Sales Stables, Inc., 12 Miles East of Lancaster, Pa just off Rt 23, New Holland, Pa For more information contact Abe Diffenbach, Mgr. 717-354-4341 or Norman Kolb 717-397-5538

FRI. FEB. 11 - 11 A.M. Public Sale of Construction Equipment, Cars, Trucks, Loaders and Etc. Located in Felton, DE Carroll's Sales Co, Inc.

SAT. FEB. 12 - Public Sale of Farm Machinery, 23 Head Holsteins, Household Goods, Antiques, Ear Corn and Silage. Located 2 mi east of Gap. James and Elizabeth F. Stoltzfoos, Owners. Steve Petersheim, Auctioneer

PUBLIC SALE

OF FARM EQUIPMENT

At our place of business located six miles south of Chambersburg, Pa., one mile east of Marion, just of Rte. I-81, go east on Rte. 914 on

THURSDAY, DEC. 16

Sale at 9 A.M.

TRACTORS, TRUCKS, IND. EQUIPT., LAWN EQUIPT.

Tractors inc. John Deere, Int., Fords, Case, Massey Ferguson, Oliver, A.C., and others, some with loaders; Skid loaders; Trucks, Ind. Equipment expected; Lawn and Garden tractors.

FARM EQUIPMENT, ETC.

Balers, haybines, rakes, mowers, pickers, harvesters, elevators, wagons, planters, drills, spreaders, plows, disc harrows, packers, sprayers, rotary mowers, blades, scoops, post diggers, and other equipment. 1974 Singer stock trailer, and other trailers, posts, usual run of tires, hardware and misc. items.

FARMERS AND DEALERS - Bring in your surplus equipment for this sale. Next sale Thursday, January 20, 1983. No equipment with liens attached unless we are contacted. If you plan a sale of livestock or equipment, contact us for dates. Open daily 8 a.m. until 5 p.m., Saturday until 4 p.m. — Closed Sundays.

Terms: Cash or Good Checks — Lunch at Sale

Manager
RALPH W. HORST
Phone: 717-375-2824
Marion, Pa. 17235
Rentzel, Wolgemuth, Speicher, Bohrer, Upperman Harry, Gossert, Auctioneers

PUBLIC AUCTION

OF VEHICLES, EQUIPMENT & DEMS SALVAGE ITEMS

TUES., DEC. 14, 1982

Located along Stonetown Rd., just off Rt. 422, 1¾ mi. west of Baumstown (Rt 82) or 4½ mi. east of Reading, Exeter Tw., Berks Co.

73 Autocar twin screw tractor w/350 Cummins, 13 speed 38,000 rears; Insley ¾ yard backhoe on track, Cat engine; Huff 4WD Payloader w/371 GM diesel; Lorane 25 ton truck crane w/100' boom; Cummins power unit; Joy 600 compressor w/671 GM diesel; 3-5 ton Huber roller; 2 1953 Chevs; IR compressor-parts; Dorsey 32' flat tandem trailer; Steco 24' dump tandem trailer; 38' van trailer; spread axle trailer; axles; Hyster D-6 winch; Garwood HD winch; new 2" air hose; 2 wheel trailer; fifth wheel; various size elec motors-tires & wheels; Myers snow plow; natural gas generator; 3 phase compressor & others; JD 24 T baler w/thrower; AC grass mower; Toro 58 riding gang mower; safe; drill press; boxes of new plumbing inventory; valves; steel gates; 12'X12' overhead door & others; corrugated roof material; hyd. pipe cutter; tapping machine; hyd. hardware; various sizes of pipe-steel beams-angles-plates-culvert pipe & steel columns; oil & gas heaters-some suspended; air conditioners; chain link fence; oil tanks; tool boxes; duct work; Zonolite insulation; roller chain; vapor & fluorescent lights; conduit wire & elec boxes; steel-wood & alum doors & windows; steel shelves; blackboard slate; desks; lumber-posts & timbers; nails; screws & fasteners; fire extinguishers; lots more salvage items for demolition.

SOLD FOR MARVIN MILLER
Sale at 10:00 A.M.
Terms: Cash or Pa. check.
Frey Auctioneers
Refreshments on premises.

INVENTORY REDUCTION PUBLIC SALE

WOOD, COAL & KEROSENE BURNING STOVES & FURNACES

WEDNESDAY, DEC. 15, 1982

At 6:30 P.M.

Located along Rt. 322 between Guthrieville and Rt. 82 (directly opposite pond) West Brandywine Township, Chester Co., Pa.

INVENTORY REDUCTION

Complete line of energy saving equipment. New wood & coal stoves, furnaces, boilers, inserts kerosene & propane heaters. Many major brands including Quaker, Moravian, Freedom, Chappe, Comforter, Steel King, Morse, Old Hickory, Superser, Toyatomi and many more.

Also stove pipe, dampers, roof collars, chimney caps, asbestos gaskets, replacement wickes for kerosene heaters, draft gauges.

Ski Doo 1973 Snow mobile 1968 Triumph 650 cc motorcycle misc. hand & garden tools. Many other items not listed.

Terms by:
"BRANDYWINE ENERGY," INC
T. Glenn Horst,
Auct. 859-1331
Timothy G. Horst,
Auct. 738-1245

TWO DAY PUBLIC SALE

PLUMBING POWER TOOLS PLUMBING HAND TOOLS PLUMBING PIPE FITTINGS, ETC.

FRIDAY, DECEMBER 17, 1982

at 10:00 A.M.

also PUBLIC SALE of REAL ESTATE (Zoned Business) Hardware Supplies, Garden Tools, Elec. Supplies, Shelving, Office Equipment, Etc.

SATURDAY, DECEMBER 18

at 10:00 AM

Loc. at 2605 Willow Street Pike, Village of Willow Street (Near Willow Street Diner at Shaubach Plumbing & Hardware Store).

FRIDAY, DECEMBER 17, 1982

at 10:00 A.M.

Plumbing supplies, Electrical supplies, tools Portable Air Compressor, Kohler 3 Kw. Port., generator, Metal Shelving, Parts Bins, Work Bench, Glass Cutter, Vacuum cleaner, Pumps, Hoses, V-Belts and other misc. Items.

SATURDAY, DECEMBER 18

at 10:00 A.M.

REAL ESTATE (Zoned Business)

1-story stone & frame building w/alum. siding. Building contains: 1900 sq. ft. show room, two 19' by 22' offices (w/sec. heating, air-conditioning & two powder rooms & two elec. water heaters on main floor. Lg. 1900 sq. ft. cemented basement w/lg. overhead door & powder room w/elec. water heater, oil hot air furnace, complete central air conditioning, city water, city sewage, all Anderson thermal windows & thermal sealed doors, lg. paved parking in front of building (new building in very good condition). Lot size: 175' frontage along Willow Street Pike by 260' depth, more or less. Property will be open for inspection every day, Monday through Friday, from 9:00 A.M. until 4:00 P.M. or phone 464-4279. Real Estate will be sold at 2:00 P.M.

Office Equipment, Housewares, Hardware & Fasteners, Hand Tools, Accessories, Automotive, Bicycle Accessories, Lawn & Garden equipment, other misc. items not mentioned. NO OUT OF STATE CHECKS ACCEPTED. Food served.

Sale by
SHAUBACH'S PLUMBING & HARWARE STORE
Theodore A. Parker, Attorney
Howard Shaub, 464-3541 and
Roy C. Probst, Auctioneers

Public Sales Register

Closing Date - Monday, 5:00 P.M. of each week's publication

THURS. FEB. 17 - Public Sale of Holsteins and Farm Machinery. Located in Catawissa, Columbia Co. Amos Lapp, Owner. Steve Petersheim, Auctioneer

SAT. FEB. 19 - 10 A.M. Tack, 11 A.M. Horses. Consignment of all kinds of horses. Located at the Belleville Livestock Market. Special Horse Sale.

SAT. FEB. 19 - Public Sale of Farm Machinery and Cattle. Located ½ mi. east of Honey Brook. Amos K. and Lydia B. Blank, Owners. Steve Petersheim, Auctioneer

MON. FEB. 21 - Public Sale of Farm Equipment and Tools. Located at R.D. 1163 Bethel, Pa. Daryl G. and Doris E. Martin, Owners. John E. and Paul E. Martin, Auctioneers

TUES. FEB. 22 - Public Sale of Cattle and Farm Machinery. Located 2 mi. east of Strasburg. Jonas E. Fisher, Owner. Steve Petersheim, Auctioneer

TUES. FEB. 22 - Public Sale of Tractors, Farm Machinery. Along Meadow Valley Road near Ephrata, PA. Sale by Edwin Horning. Horst and Rentzel, Auctioneers.

THURS. FEB. 24 - Public Sale of Farm Machinery and Household Antiques Located 2 mi. east of Intercourse. Emanuel Zook, Owner Steve Petersheim, Auctioneer.

FRI. FEB. 25 - 7 P.M. Horse Sale at New Holland Sales Stables, Inc., 12 Miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa., For more information contact Abe Diffenbach, Mgr. 717-354-4341 or Norman Kolb 717-397-5538

FRI. FEB. 25 - 9 A.M. Public Sale of New Used and Abused Farm Equipment, Tools, Antique Tractors and Engines. Located 10 mi. east of Lancaster between Leola and New Holland, turn off Rt. 23 on S. Groffdale Road, turn left on Musser's School Road, Lancaster Co., PA Terms by Elias S. Beiler Auctioneers - Robert E. and Jeffrey R. Martin 656-7770, Frank Steller and Blaine Rentzel

SAT. FEB. 26 Public Sale of Farm Equipment and Household Goods Located along Bridgeville Rd., east of Goodville Aaron and Mary Shirk, Owners Nevin Martin and Paul Hurst, Auctioneers

SAT FEB 26 - Public Sale of Farm Machinery Located 2 mi. west of Honey Brook. Robert Campbell, Owner Steve Petersheim, Auctioneer

SAT FEB 26 - Public Sale of Farm Equipment Located along Cloverleaf Rd just off Rt 283 at the Rheems-Elizabethtown exit, near the Norlanco Medical Center Sale by Harlan M. Hoover Raymond Miller and Rufus Geib, Auctioneers

MARCH

THURS MAR 3 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

THURS. MAR 3 - 10.00 A.M. Public Auction of Outstanding Inemodern John Deere Farm Equipment and other models located along Anchor Road, Box 195, Washington Boro, Pa Sale by Mr & Mrs J Wilmer Eby, Auction conducted by the J. Omar Landis Auction Service, Jay M. Witman and Omar Landis, Auctioneers

FRI MAR 4 - Public Sale of Farm Equipment at New Holland Sales Stables, Inc., New Holland, Penna

FRI. MARCH 4 - 9 A.M. Consignment of all kinds of machinery Located at the Belleville Livestock Market Annual Spring Machinery Sale

SAT. MARCH 5, 1983 Bart Township 19th Annual Fire Co Sale

SAT. MARCH 5 - 9:30 A.M. Public Sale of Farm Equipment, Household Goods and Antiques Located 2 mi. north of Bird-in-Hand, turn off Rt. 340 on Beechdale Rd to Stumptown Rd., turn right, 1st road left on Millcreek School Rd Elvin W. and Lucinda M. Groff, Owners Robert E. and Jeffrey R. Martin and Frank Steller, Auctioneers

FRI MAR. 11 - 7 P.M. Horse Sale at New Holland Sales Stables, Inc., 12 Miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa. For more information contact Abe Diffenbach, Mgr. 717-354-4341 or Norman Kolb 717-397-5538

SAT. MARCH 12 - Public Sale of Farm Equipment, Located at 61 Clay Rd., Lititz, PA. Clarence W. Weaver, Owner. John E. and Paul E. Martin, Auctioneers

SAT. MARCH 12 - Public Sale of Farm Equipment. Located near Lees crossroad, 6 mi. east of Shippensburg Charles Strohn, Owner. Nevin Martin and Melvin Sensenig, Auctioneers.

SAT. MAR. 12 - Public Sale of Farm Equipment located between Mt. Joy and Mastersonville along Meadow Road (1 mile SW of Mastersonville) near Chiques Church of the Brethren Sale by Guy Stauffer. Rufus K. Geib and Raymond Miller, Auctioneers

MON MARCH 14 - Public Sale of Farm Equipment located along School House Road just east of the Middletown exit of Rt 283 Sale by J. Allen Dehomey estate Raymond Miller and Rufus Geib, Auctioneers

THURS. MAR. 17 - 11.00 A.M. Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

SAT MARCH 19 - Public Sale of Full Line of Farm Equipment located along Route 501 Midway between Lititz and Lancaster Airport known as the Buckwalter Farm Sale by John Fisher, Rufus K. Geib and Raymond Miller, Auctioneers

SAT MARCH 19 - Public Sale of Cattle and Farm Machinery. Located ½ mi. south of Cains Irvin Eberly, Owner Steve Petersheim, Auctioneer

SAT. MARCH 19 - Public Sale of Farm Equipment Located taking Rt 30 west from Lancaster to Millersville-Rohrerstown exit, go through Rohrerstown to 1st farm on right Raymond S. and Ruth E. Brubaker, Owners John E. and Paul E. Martin, Auctioneers

APRIL

THURS APRIL 7 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc Lancaster Farm, 2220 Dairy Road, Lancaster, Pa

FRI. APRIL 8 Public Sale of Farm Equipment at New Holland Sales Stables, Inc New Holland, Penna

APRIL 15 - 7 P.M. Horse Sale at New Holland Sales Stables, Inc., 12 Miles East of Lancaster, Pa just off Rt. 23, New Holland, Pa For more information contact Abe Diffenbach, Mgr. 717-354-4341 or Norman Kolb 717-397-5538

THURS APR 21 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

SAT APR 23 - 17th Colonial Charolais Spring Sale Located at the fairgrounds, Frederick, MD. Sponsored by the Colonial Charolais Assoc. Managed by Buzz Garey, Cattle Sales, Inc., 100 Walnut Lane, Morrisville, PA 19067

FRI APRIL 29 - 6 P.M. Special Heifer Sale Located at the Belleville Livestock Market

MAY

THURS MAY 5 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc Lancaster Farm, 2220 Dairy Road, Lancaster, Pa

MAY 6 - 7 P.M. Horse Sale at New Holland Sales Stables, Inc., 12 Miles East of Lancaster, Pa just off Rt. 23, New Holland, Pa. For more information contact Abe Diffenbach, Mgr. 717-354-4341 or Norman Kolb 717-397-5538

THURS. MAY 19 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

JUNE

THURS JUNE 2 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

THURS. JUNE 16 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

JULY

THURS. JULY 7 - 11.00 A.M. Monthly Cow Sale at Mel Kolb, Inc Lancaster Farm, 2220 Dairy Road, Lancaster, Pa

THURS JULY 21 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

AUGUST

THURS AUG 4 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc Lancaster Farm, 2220 Dairy Road, Lancaster, Pa

THURS AUG 18 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

SEPTEMBER

THURS SEPT 1 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa

THURS SEPT 15 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

OCTOBER

THURS. OCT 6 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

THURS OCT 20 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

NOVEMBER

FRI NOV 4 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

THURS NOV 17 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

DECEMBER

FRI DEC. 2 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc Lancaster Farm, 2220 Dairy Road, Lancaster, Pa

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DEALER IN ALL KINDS OF LIVESTOCK
Also Crippled & Down Cattle

MARLIN S. IRWIN
Quarryville, PA
PH: 717-786-3016

THURSDAY, DECEMBER 16th, 1982

At 11:00 A.M.

CHRISTMAS SALE

MELVIN KOLB, INC.

150 HIGHEST QUALITY HOLSTEINS 150

LOCATION:
At my Maryland Farm ½ mile northwest of Woodsboro on Rt. 550, in Frederick County.

FREE TURKEY FOR EVERYONE THAT BUYS A COW!!!

These cows were selected from some of the better herds from several states. We try to buy the best and leave the rest. There will be good cows from Wisconsin, Minnesota, Maine, New Hampshire, Vermont, New York and Pennsylvania.

There will be 75 Purebreds of the highest quality, and many will be classified & have D.H.I.A. Records. All of these cows are hand picked from top herds. Some of these cows are milking up to 100 lbs. per day. Also, we will have 25 big Purebred first calf heifers, fresh, milking up to 75 lbs. per day.

There will be 50 big fancy Grade cows, just fresh or close to freshening, 25 fancy Grade first calf heifers, just fresh, and 25 good Grade heifers close to freshening.

Several top Purebred heifer calves will also be sold.

SPECIAL MENTION

2 trailer loads of heifers shipped from Maine; 25 head of these heifers are Purebreds & 40 head are Grades. This is the finest group of heifers I have ever had for one sale. Records & pedigrees available in the Catalog day of day.

This is a very special time of the year, and the Kolb Organization would like to thank everyone for their friendship and patronage during this past year. Please set aside this date, DECEMBER 16th at 11:00 A.M., to come & see our great selection of fine dairy cattle.

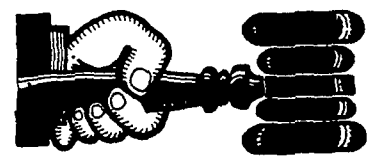
COME EARLY ** ENJOY FREE LUNCH **** BUY A COW **** RECEIVE A FREE TURKEY**

LANCASTER COUNTY AMISH: If you need transportation to this Sale, please call 569-2106 or 569-6800 before Noon on Dec. 15th.

FREE LUNCH FOR ALL DAIRY FARMERS

DOOR PRIZE
Purebred Heifer Calf
To a Registered Buyer Must be Present to Win

MELVIN KOLB, Sale Manager
ROBERT C. MULLENDORE, Auctioneer
HENRY KETTERING, Pedigrees
MARVIN ESHLEMAN, Clerk



AUCTIONEER'S DIRECTORY

C.H. WOLGEMUTH
RD #2, MANHEIM, PA
AUCTIONEER
Member of
COMPLETE AUCTION SERVICE
CALL 717-665-5664

AUCTIONEERS
JOHN E. MARTIN
Ephrata, Penna.
717-733-3511
AND
PAUL E. MARTIN
Stevens, Penna
717-733-3305
Professional Auction Service

AUCTIONEERS
FRANK & PAUL SNYDER
Livestock, Farm Equipment, Household Goods, Antiques
No sale too small or too large
717-859-2688
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KLINE & KREIDER AUCTIONEERS
COMPLETE PROFESSIONAL AUCTION SERVICE
REAL ESTATE — FARMS & RESIDENTIAL
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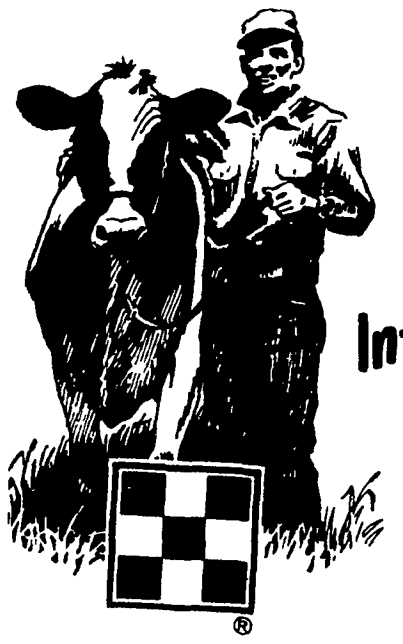


Don't Let MASTITIS Hurt Your Milk Production!

Introducing the

NEW PURINA® DARIGARD™ BRAND

Teat Dip/Udder Wash.

- Effective Without Iodine . . . Against most organisms that may cause mastitis. Gram positive like staph aureus and streptococcus, and gram negative organisms like E. Coli and Pseudomonas.
- 30-Second Results. . . . Kills 99.99% of the above organisms in 30 seconds, according to approved A.O.A.C. test methods. Ideal for dipping.
- One-Product Efficiency . . . . Buy, store, use one product for both washing udders and dipping teats — no hazard of mix-ups.
- No Doubt About Dipping . . . . Bluish green color keeps track of teats treated with Darigard.

All - In - One Non-Iodine Teat Dip, And Sanitizing Udder Wash...

PURINA RESEARCH COMES THROUGH. . . ON YOUR REQUEST!

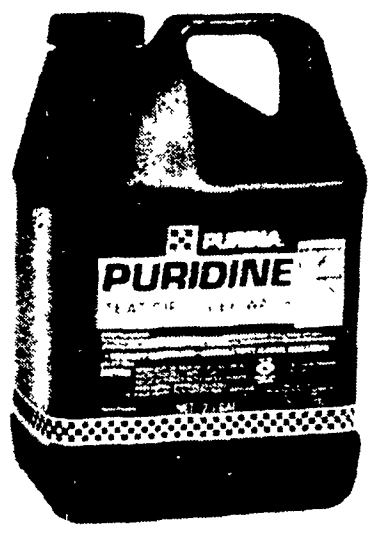
DAIRYMEN ASKED FOR A POWERFUL, FAST, EFFECTIVE NON-IODINE TEAT DIP!

PLUS An Introductory Coupon Rebate Offer:

* ON-PACK COUPON REBATE (With Purchase)

- 2½ Gallon - $2.00 Rebate!
- 30 Gallon - $15.00 Rebate!

For You Who Prefer An Iodine Base Teat Dip And Udder Wash: Tried and Proven PURIDINE



The first combination teat dip and udder wash in the industry! This unique, highly effective 1 percent iodophor is available in 2½ gallon containers and 15 and 30-gallon drums.

Purina Puridine is effective against staph and strep, the organisms that cause the majority of mastitis problems.

Purina Puridine kills 99.999% of the organisms in 30 seconds.*

Convenient and economical. One product does two jobs. Use undiluted as a teat dip; and dilute 1 ounce to 5 gallons of water for a sanitizing udder wash.

Puridine clings to teats longer, providing extra protection from milking to milking.

CALL YOUR DEALER ON PRICING TODAY!

HESS MILLS
PHONE 717 442 4183
717 768 3301
PARADISE PA 17562

HIGH BROS.
PHONE 717 354 0301
GORDONVILLE PA 17529

K & K FEED, INC.
PHONE 717 866 2324
23 N PARK ST RICHLAND PA 17087

UMBERGER'S MILL
PHONE 717 867 5161
FONTANA PA 17042

KEYSTONE MILLS
John B. Kurtz
PHONE 717 354 4616 717 738 1088
RD3 EPHRATA PA 17522

W. L. MUMMERT CO.
PHONE 717-637-6923
6 PINE ST
HANOVER, PA 17331

THE PURINA PROGRAM
Good Breeding | Sound Management
Careful Sanitation | Good Feeding
FOR GOOD PRODUCTION

WEST WILLOW FARMERS ASSN., INC.
PHONE 717-464 3386
WEST WILLOW PA 17583

SOUTHERN DIVISION
West Willow Farmers Assoc., Inc.
PHONE 717-529 2113
RTE 472 AT UNION, PA
RD 1, OXFORD, PA 19363

M. G. HENNINGER & SON, INC.
PHONE 717-362-3333
BERRYSBURG, PA 17005

J. P. ANIMAL SUPPLY
PHONE 301-658-5795
2497 TOME HWY.
RISING SUN, MD 21911

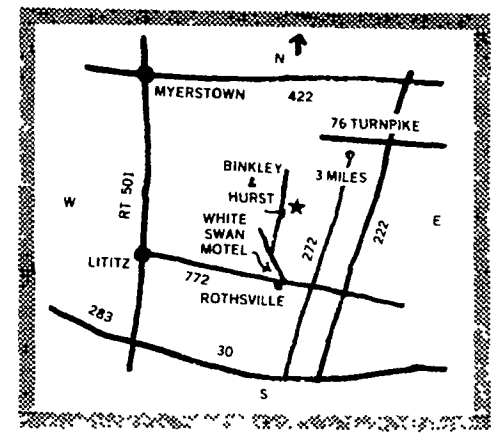
Anthony's Feed Mill
PHONE 215-488-6211
STRAUSSTOWN, PA 19559

case

BINKLEY and HURST BROS. INC.

BH

Invites You To Our Annual



DISCOUNT CASH and CARRY DAYS

DECEMBER 13 through 24, 1982

GOOD NEWS!
Here Is The Place To Save $1000's of Dollars On Parts And Machinery

LOCATED AT:
133 ROTHSVILLE STATION ROAD
LITITZ, PA 17543

Hours: Daily 7 A.M. to 5 P.M., Sat. till 4 P.M.
Evenings By Appointment
Sale ends: Fri., Dec. 24 at 12:00 Noon

FREE REFRESHMENTS ALL WEEK

Not Responsible For Typographical Errors

FARMER FRIENDS... DID YOU KNOW?
For the well being of your tractor transmission components you should change its oil **AT LEAST** ONCE A YEAR or EVERY 1000 HOURS, whichever comes first.

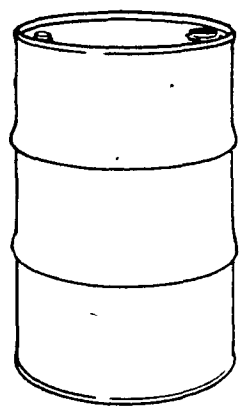
BUY case MOTOR TRANS HYDRAULIC OIL NOW!

15% OFF Cash & Carry Discount

We Received A Truckload of Oil And Are Passing The Savings On To You
DISCOUNT PRICES ON DISCOUNT DAYS ONLY

WHY SHOULD I BUY CASE OIL?

- It is the only Case approved lubricant.
- It is designed specifically for use in Case equipment.
- It is formulated to do the job required.
- It has been subjected to extensive lab & field testing.
- It is specially blended for the Case company.
- It is blended with additives components designed to provide specific lubrication qualities.
- It is a quality product.



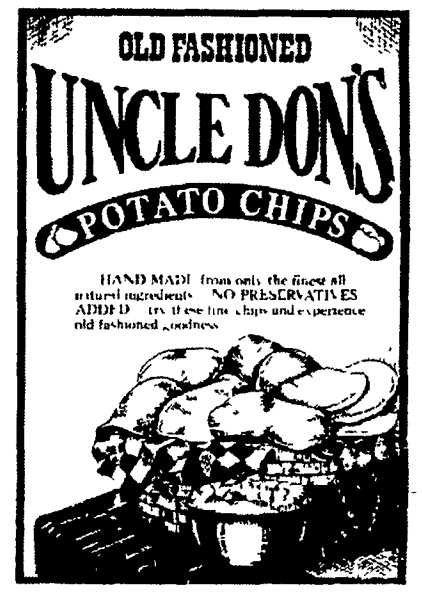
Oil By The Quart, Gallon, Bucket & Drum

Oil	Quarts	2½ Gal.	5 Gal.	55 Gal.
MOTOR OIL	$1.81	$18.07	$34.72	$348.05
CASE TFD	N/A	N/A	$35.62	$364.64
CASE TFD#2	N/A	$17.55	N/A	$364.64
CASE TCH	$1.69	$17.38	$34.13	$343.44
CASE FDL	$2.51	N/A	$39.01	N/A
Multigrade MOTOR OIL	$1.83	N/A	$35.14	N/A

15% OFF The Above Prices!

CHECKLIST YOUR SUPPLY OF THESE ITEMS PLUS ANY PARTS YOU MAY NEED TO SAVE UNDER OUR 10% DISCOUNT SAVINGS PROGRAM

- ☐ Anti-Freeze
- ☐ Oil, fuel, hydraulic filters for Case and other model tractors
- ☐ Paint in gals., quarts, and spray cans.
- ☐ Seat covers.
- ☐ Grease cartridges.
- ☐ Cutting edges for many different widths & types of buckets discount good on cutting edges even if our shop installs them.
- ☐ Case crawler undercarriage parts, etc.
- ☐ Ether
- ☐ Gasket sealer.
- ☐ Hoses, belts, thermostats.
- ☐ Hitch pins & clevis.
- ☐ Curved chisel plow shovels.
- ☐ Moldboard plow parts.
- ☐ Glencoe soil saver points & shovels.
- ☐ Disk harrow blades.
- ☐ Hydraulic cylinders.
- ☐ Head and work lights.
- ☐ Engine block heaters for tractor.
- ☐ SMV emblems.
- ☐ Water pumps, tune-up parts.
- ☐ Loctite products.
- ☐ Gehl blower pipe pumps.
- ☐ And many more!


OLD FASHIONED
UNCLE DON'S
POTATO CHIPS
HAND MADE from only the finest all natural ingredients NO PRESERVATIVES ADDED try these fine chips and experience old fashioned goodness

FREE 2 Lb. Box Of

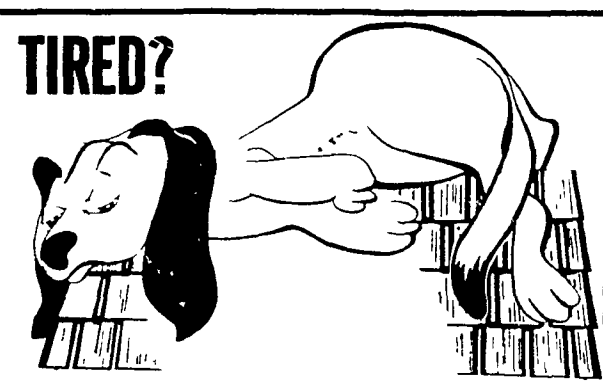
UNCLE DON'S POTATO CHIPS

To the first 25 customers who purchase $200 or more of parts or machinery

SPECIAL DURING SALE DAYS

2 Lb. Box UNCLE DON'S CHIPS **$2.47** Reg. $3.19

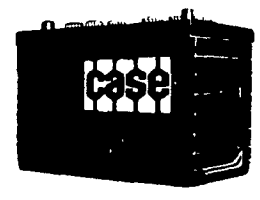
IS YOUR BATTERY GETTING TIRED?



Trade It In On A New
HEAVY DUTY CASE BATTERY
20% OFF With Old Battery
15% OFF Without Old Battery

CASH & CARRY

★ Replace That Old Battery Now



	BCI Group No.	Case Part No.	Cold Crank @ O°F Amps	Overall Dimensions Inches Length	Width	Height
6 Volt Reg. Serv.	1	L16056*	545	8 94	6 79	8 83
	2	D44177*	650	10.29	6.81	9 21
	2N	D44313*	495	10.00	5 50	9 00
	4	F53478*	700	12 68	7.00	9 21
6 Volt HD	7D	B17185**	900	16 26	7.12	9 23
12 Volt Reg. Serv.	22F	B17177-	300	9.50	6.82	7 50
	24	T40362*	370	10 26	6.79	8 76
	24	F22631*	290	10 26	6 79	8 76
	24	B17180-	250	10 29	6 82	8 92
	24F	B17179-	315	10 75	6 82	8 92
	27H	A58559*	500	11 73	6 79	9 15
	27H	D44175*	435	11 73	6 79	9 62
	29NF	B17182-	570	13 00	5 50	9 02
12 Volt Low Maint.	30H	A38411*	570	13 50	6 81	9 21
	31	A145205-	600	13 10	7 12	9 75
12 Volt Heavy Duty	4D (1)	L13308**	800	20 75	8 75	9 82
	4D (1)	D44178**	700	20 75	8 75	9 82
	4DLT	R38116 -	750	19 94	8 18	7 89
12 Volt Lt. Utility	U1 (2)	C10458*	160	7 76	5 07	7 17
	U1 (3)	B17186*	175	7 76	5 07	7 17
	U1 (2)	C18197*	200	7.76	5.07	7 17
	12N12A-4A-1 (4)	C24350-**	N/A	5 25	3 12	6 31

NOTICE! Mr. Farmer, An IMPORTANT ANNOUNCEMENT On Investment Tax Credit Update.

1982	1983
10% Investment Tax Credit	Only 8% Tax Credit
Depreciation over total Cost of unit	Depreciation over partial cost of unit

BUY BEFORE YEAR END

There Are Three Kinds of People: Those who make things happen, those who watch things happen, and those who have no idea what happens.

R76 DOUBLE OFFSET DISK

Mr. Small To Medium Size Farmer!
Here Is What You Were Waiting For A Long time - A Do It All Cut and Finish

If you want faster incorporation, better seedbeds, and less time in the field, Rhino Products' R76 is the disk for you. The advanced Double Offset design lets you disk at faster speeds, vary the field speed on-the-go, and still leave a uniform, level seedbed behind.

NEW - ONE ONLY IN STOCK
Ready To Tow Away!

Rhino R76 Double Offset With 11'8" Cutting Width With 24" Smooth Blades With Rock Flex C Type Spring Bearing Hangers. Weight Approx. 3836 lbs. Serial #032136.
Reg. Book Price
Including Setup $5,338

DEDUCT 14% OFF FOR A GOOD DEAL!!

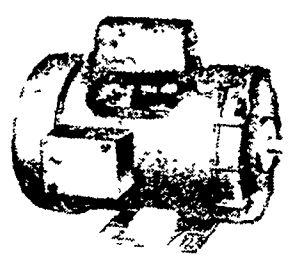
10% OFF
AMCO-BILT NEW CASE ROCK FLEX WING Tandem Disk Harrows

In Stock:
Cut & Finish, Rock Flex Spring Bearing Hangers, 24" Dia. Blades, ¼" Thick Double Offset Tandem, 21 Ft. Working Width, Setup w/Hoses.

READY TO GO

Reg. Book Price ... $11,931
LESS AN ADDITIONAL 10% OFF

10% OFF



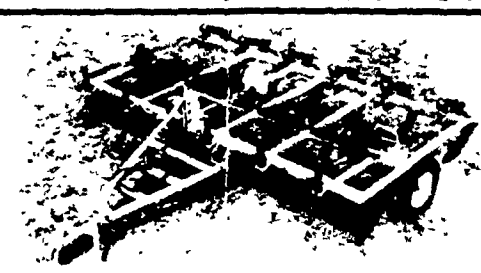
DAYTON
Totally Enclosed Electric Motors
TAKE 10% OFF These Regular Low Prices

⅓ HP	$92.20	1½ HP ..	$172.57
½ HP ...	$104.05	2 HP	$234.59
¾ HP ...	$127.66	3 HP	$318.06
1 HP	$139.48	5 HP	$432.45

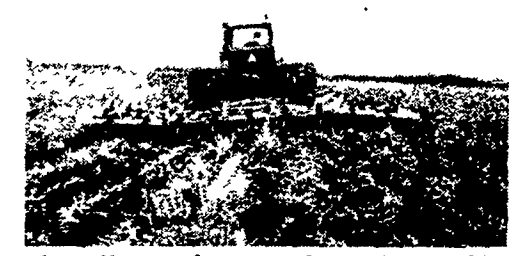
New & Used Rental and CASE SOIL CONTROLLERS
In Stock

New 15 Shank Soil Controller
With an 18 Foot 9" Cutting Width
Spring Shanks - Hoses To Tractor
Weight Over 9,949 Pounds

Setup Price $13,940
DEDUCT 15% OFF & SAVE!



CONVENTIONAL NON-FOLD MODELS



Wings flex 7½° (up & down) for working terraces and uneven ground.

Hyd. controlled (4-3½" x 16" wing cyl. are std.) wings fold 180° for low transport height and width — Only 10'7" on 15-shank model.

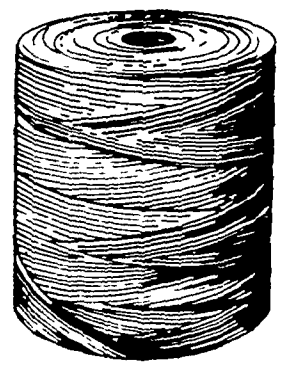
Buy At These Reduced Prices!

- Used Rental Landoll 5 Shank Soil Master 6'3" Cutting Width $3,194.00
- New Case 5 Shank Soil Controller 6'3" Cutting Width $3,738.00
- Used Rental Case 7 Shank 8'9" Cutting Width $5,200.00
- New Case 7 Shank 8'9" Cutting Width $5,389.00
- Rental Used Case 9 Shank 11'3" Cutting Width $5,254.00
- New Case 9 Shank 11'3" Cutting Width $6,154.00

NOTICE
SPECIAL OFFER ON NEW ELECTRONIC SCALES FOR YOUR GRINDER MIXER

Whether it's for a Gehl, John Deere, New Holland, IH, Farm Hand or Owatonna - See Us! We have available Digital or Analog electronic scales for most late model mill's and some older models.

- DIGITAL SCALE w/ALARM $1847
- ANALOG SCALE w/ALARM $1513



ATTENTION FARMERS!
We Are Now Taking Orders For
GOOD QUALITY BALER TWINE - CLOVER BRAND, No. 1 Quality
Pickup sometime in late Jan., or Feb., we will notify you

SISAL TWINE
9,000 ft., 10,000 ft.

BIG ROUND BALER TWINE
20,000 ft. per box

CONVENTIONAL HEAVY DUTY PLASTIC
9,000 ft. with stronger Knot Strength Than Sisal

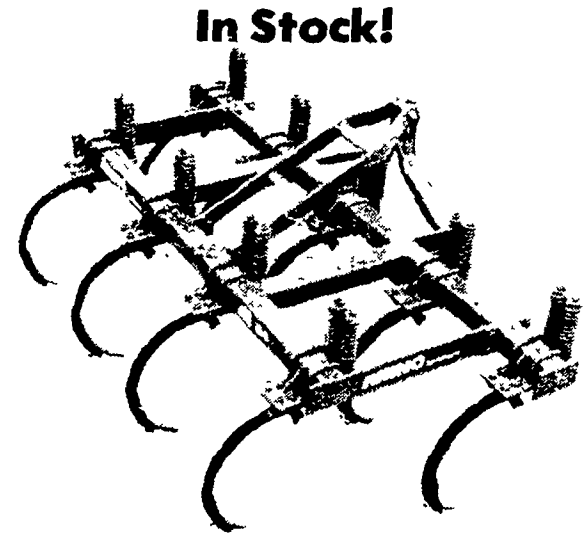
Pay Cash With Order And Save AN ADDITIONAL 2%
Till December 24, 1982

Now Take 10% OFF These Regular Low Prices

6x27	$ 990.00
6x34	$1,083.00
6x41	$1,204.00
6x46	$1,330.00
6x53	$1,441.00
6x60	1,496.00
8x46	$1,687.00
8x53	$1,908.00
8x60	$2,396.00
10x51	$2,918.00
10x71	$4,250.00

PTO DRIVE W/DOWN SPOUT AND FLEX HOPPER SET UP - READY FOR YOU!

SPECIAL CLEARANCE SALE
on All Chisel Plows In Stock!



5 Shank Athens 2 Bar 3 Pt. Chisel Plow with 32" Hi-Clearance Spring Shanks With Curved Shovels. For your 50-70 H.P. Tractor.

Our Regular Low Price $865
Now Deduct An Additional 5% OFF!

10 Shank Anthens 3 Bar 3 Pt. Chisel Plow With 32" Spring Shanks and Curved Shovels For Your 100 HP Tractor

Regular Price $1,762
Discount Additional 10% OFF!

10 Shank Case 3 Bar 3 Pt. Chisel Plow With Hydraulic Gauge Wheels Less Cylinder 32" Hi-Clearance Spring Shanks With Curved Shovels.

$1,850
Discount Additional 20% OFF!

20% OFF
Bargain Clearance

Don't Miss Our Bargain Table Special Clearance Sale
on many useful miscellaneous items, such as:
- GLOVES • GREASE GUNS
- DRAWBAR PINS • KLIK PINS
- CASE QUARTZ DIGITAL CLOCK

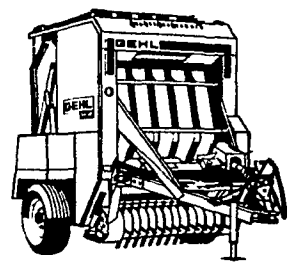
(Gives Times, Date, Alarm and Snooze Features)
Limited Quantity

Plus Many, Many More Useful Specials

SPECIAL CLEARANCE SALE

Make Compact, Portable Bales With Model 1450

The TDC Generation



Gehl's 1450 round baler offers Total Density Control (TDC) with its patented "air-draulic" baling system. Choose the size of the bale's center core and density of the outer wrap according to your operation's needs and crop moisture content. Find out more about how Gehl Put Good Ideas to Work in the 1450 round baler's TDC system.....stop by for a demonstration!

GEHL®

Regular Low Price

ONLY..... $8,400

LESS SPECIAL 5% DISCOUNT

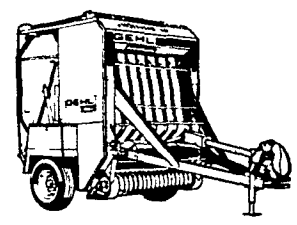
On One Only, Serial #11897

Plus:

- Pay 30% Down - Balance 4/1/83
- or 40% Down - Balance 6/1/83
- or Pay Cash and Receive An Additional $239.40 From Gehl

MODEL 1850

Total Density Control



Gehl has Put Good Ideas to Work in their 1850 Total Density Control found balers. With the patented "air-draulic" system, you control the size of the bale's center core and the density of the outer wrap to fit your operation and the crop's moisture content The 1850 can produce bales 61" wide and up to 72" in diameter. Stop in today for more information on Gehl's 1850 heavyweight champs.

GEHL

Regular Low Price

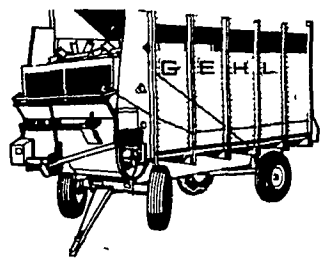
... $9,660.00

LESS SPECIAL 5% DISCOUNT

On One Only, Serial #10640

- Pay 30% Down - Balance 4/1/83
- Pay 40% Down - Balance 6/1/83
- or Pay Cash and Receive An Additional $275.31 From Gehl

NEW GEHL FORAGE BOXES THAT WORK FOR THE ECONOMY-MINDED FARMER



Gehl's 640 self-unloading forage box gives you high capacity unloading for quick field-to-silo-to-field cycles. Time-saving features include front safety bar and side safety cables for quick shutdown, plus a large 16' cross conveyor auger that unloads the heaviest loads quickly, evenly. For economical unloading, stop by and see the Gehl 640 forage box today!

MODEL 640 - Box Only
4'x14', 2 Beaters, Rubber Trough Extensions, Serial #3423 (One Only)
Reg. Book Price $3698
DEDUCT 20% OFF

MODEL 640 - Box Only
4'x16', 2 Beaters, Rubber Trough Extension, Serial #3439 (One Only)
Reg. Book Price $3888
DEDUCT 20% OFF

NOTICE! Pay Only 30% Down & get Interest Free til April 1, 1983
or Pay Only 40% Down & get Interest Free till June 1, 1983
or Pay In Full and get Rebate Check from Gehl
on Serial #3423 of $88.75
on Serial #3439 of $93.31

THE SOUTHEAST LINE

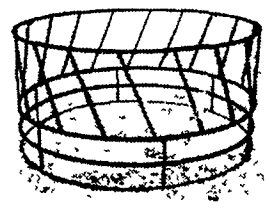
Take An Additional 10% OFF Our Low Prices While Supply Lasts

Lift Those 1500 Round Bales With BIG BALE HANDLERS

MULTI-PURPOSE HiLIFT
(Model HL-200 Wt-160 lbs.)

The SOUTHEAST HiLift is designed to fit a variety of category II implements
When used with a bale carrier, the big bales can be stacked or loaded on trucks When used with a rear scoop, wagons or trucks can be loaded with ease The HiLift can be used with any standard Category II implement when a higher lift is desired.

IN STOCK

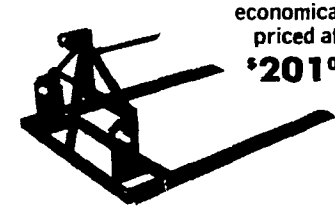


MODEL RF-15 ROUND FEEDER

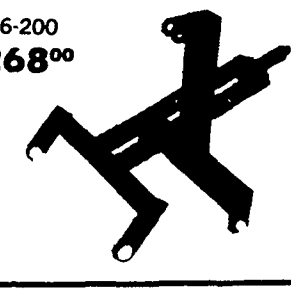
The SOUTHEAST Round Feeders are ruggedly constructed to give years of feed saving service. Each feeder makes it possible to feed nearly 100% of your big bales to over 20 head of full grown cows The neary 100% utilization of feed can more than double your feed dollars.

Sale Price $135.00

BC-150 3 Pt. Hitch, Round Bale Carrier, economically priced at $201.00



H6-200 $268.00

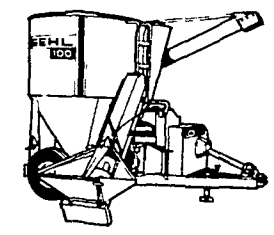


OUR NATION'S FARMERS #1 CHOICE

GEHL®

Not Only Crop Grinding Season Is Here, But PRICE GRINDING is Here, Too!

HYDRAULIC GEHL MIX-ALLS®



Gehl's Put Good Ideas to Work in a hydraulic grinder-mixer for less maintenance easier operation The 100-bushel Mix-All unloads as quickly as 3½ minutes Features include the big 21" mill with 66 reversible hammers, hydraulically driven in-feed attachments with infinite speed control, and quick-change screens for faster performance and operating convenience Stop by and see the hydraulic 100 Mix-All today!

New Gehl 100 in Stock - One Only Serial #8224
At $6,886.00 LESS Special 5% OFF

Plus This:
Put new Gehl equipment to work on your farm NOW with a special Delayed Payment Program from Gehl. With 50% down you can buy new Gehl machinery with a final due date of April 1, 1983
OR
Prepay the entire amount and Gehl will sent you a Cash bonus check of $98.12.

SO DON'T WAIT!

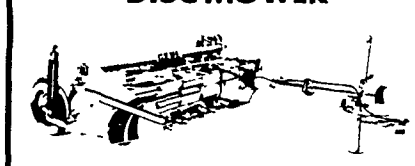
SPECIAL CASH DISCOUNT
New Gehl 99 Forage Blower
Two Blowers In One
Silo Bottlenecks Stop Here

In Stock With Optional Heavy Duty PTO Shafts Ready For Delivery at only
$2,361

Serial #17288, Serial #17294
Pay Cash And Receive an Additional $70.83 from Gehl

This Machine Loves Tangled, Heavy, Down Crops

GEHL MODEL 1080 DISC MOWER



Cut, condition and windrow up to 7' 10" in even the heaviest crops with the 1080 disc mower conditioner from Gehl. Six counter-rotating, three-knife discs slice through your crop at up to 54,000 cuts per minute, leaving your fields cut short, smooth intermeshing rolls aggressively grab the crop, yet gently condition it to speed drying and reduce leaf loss Stop by and see the high speed, efficient 1080 disc mower conditioner in action!

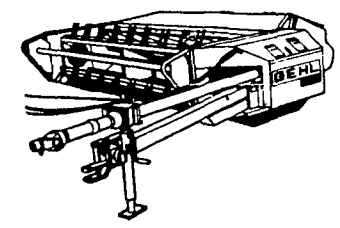
BRAND NEW
$9048.00

- Pay 30% Down - Balance Interest Free till 4/1/83
- Pay 40% Down - Balance Interest Free till 6/1/83
- Pay In Full And Get An Additional Rebate Check Of $271.44 from Gehl

SAVE $ NOW
By Mowing Down Your Costs With A Big
20% DISCOUNT
on 2 Brand New

GEHL®

Mower conditioners



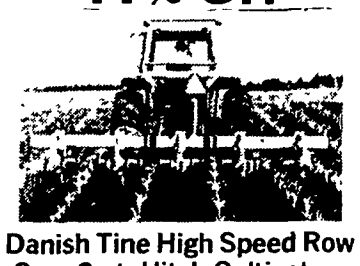
Gehl's 1090 mower conditioner mows, conditions and windrows your crop in one easy pass through your field. That means you save time, money and fuel The 9'3" cutting width, rugged unitized construction, all-gear main drive, smooth torison bar suspension and leaf-saver conditioning rolls give you fast-drying windrows in one labor-saving operation See how the Gehl 1090 mower conditioner can mow down your costs today!

ONE ONLY Model 1090
Serial # 9254
9'3" Cut - Regular Low Price Only
$5553
LESS 20%
ADDITIONAL DISCOUNT

ONE ONLY Model 1070
Serial #4290
7'3" Cut - Regular Low Price Only
$4869
LESS 20%
ADDITIONAL DISCOUNT

HURRY! THEY WON'T BE AROUND LONG!

Take An Additional 11% OFF



Danish Tine High Speed Row Crop 3 pt. Hitch Cultivators In Stock (One Only Each):

Adjustable 4 row Dunham Lehr $1,573
Farm Hand 4 row adjustable $1,500

BINKLEY & HURST BROS., INC.

133 Rothsville Station Road, Lititz, PA 17543
PH: 717-626-4705

DUNHAM LEHR PACKERS

Folding Wing Models

15% OFF

In Stock:

WING MODELS WITH CYLINDERS & HOSES

Rolling Width	Price
• 19'1"	$4450
• 22'8"	$4646
• 24'9"	$5146

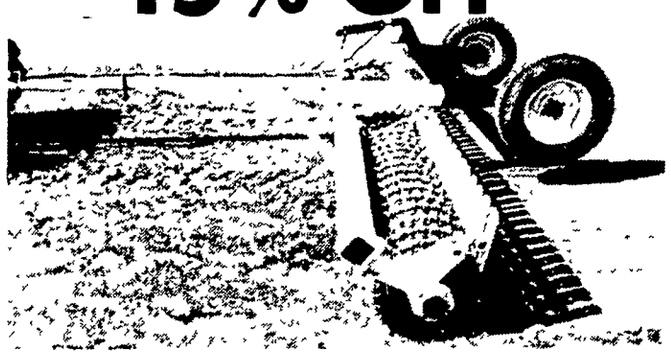
(With Optional Dual Wheel Kit)

Remember.....Take An Additional 15% Off These Prices!

DUNHAM LEHR INC. SERIES 40

Non-Folding Models

15% OFF



TRANSPORT WHEEL KIT & CYLINDERS NOT INCLUDED IN THESE PRICES

In Stock:

Rolling Width	Price
• 9'11"	$1038
• 12'	$1171

Remember...15% Off These Prices!

DUNHAM LEHR

SERIES 41 CULTIMULCHER

15% OFF

All Units In Stock

Rolling Width	Wt.	Price
10'	4048	$3806
12'2"	5000	$4823
13'2"	5300	$5001
14'2"	5535	$5381

Lift Cylinders Optional

Remember...Take An Additional 15% Off These prices

22% OFF

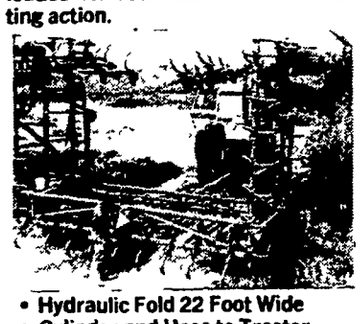
case

NEW CASE TRANSPORT FIELD CULTIVATOR

Glencoe built, ideal to prepare your fall seeding grounds. A lot of machine for the money.

EARTH SHATTERING TILLAGE TOOL FROM CASE

All these machines are spring loaded for rock cushion and vibrating action.



- Hydraulic Fold 22 Foot Wide
- Cylinder and Hose to Tractor
- Field Cultivator Wing
- Transport Width 12 ft.

Wings fold hydraulically for handy transport and turning in the field. They can be pinned for safety and to take the load off the cylinders in transport. The long, sturdy double hitch pole adds stability to wide models, eliminates wobble in rough fields, absorbs the strain of trailing planters or fertilizer nurse tanks.

Reg. Price $6,400

REMEMBER...Deduct An Additional

22% OFF

10% OFF CROSS CYLINDERS

In Stock

CROSS

HYDRAULIC CYLINDERS

3x8 Hyd	$54.95
3½x8 Hyd.	$73.76
4x8 Hyd.	$85.84

10% OFF The Above Prices

At 40% OFF

You Can Afford To Own A SNOWBLOWER

BER-VAC

SNOW BLOWERS

Built In The Snow Country

WINTER IS HERE
BE BER-VAC PREPARED

You need to buy a BER-VAC before you need it

SNOW ALERT REMINDER

BER-VAC Snow Blowers are available in many models — designed for three-point hitch or front-end installations For small, medium and large tractor owners, BER-VAC makes a Snow Blower for YOU It's too late to order a snow blower when your lane is closed and you are snowbound What can the loss of milk pickup or feed delivery cost you? Northeast winters can be rough — so order today Snow blowers in stock for immediate delivery

Model	Horsepower Range	Cutting Width	Cutting Height	Current Price
S 60	12 30	60"	23"	$1135
S 655	40-70	81"	34"	$1977
S 85	40-65	85"	27"	$1755
S 766	45 70	67"	34"	$2089

REMEMBER 40% OFF THESE PRICES... The Early Bird gets the worm... Limited Quantity

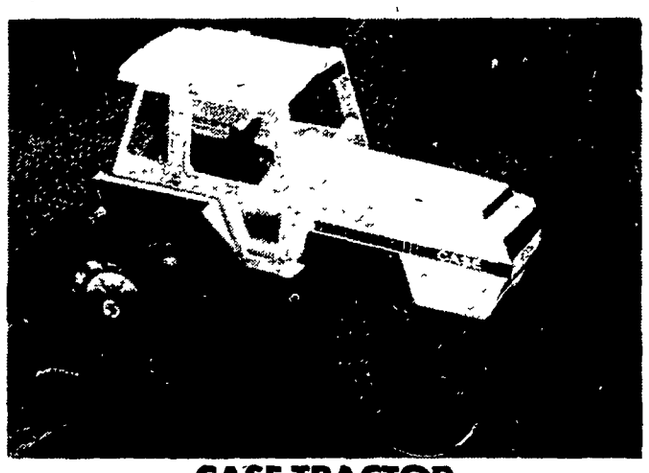
Something For Everyone!

DO YOUR HOLIDA DURING SPECIA

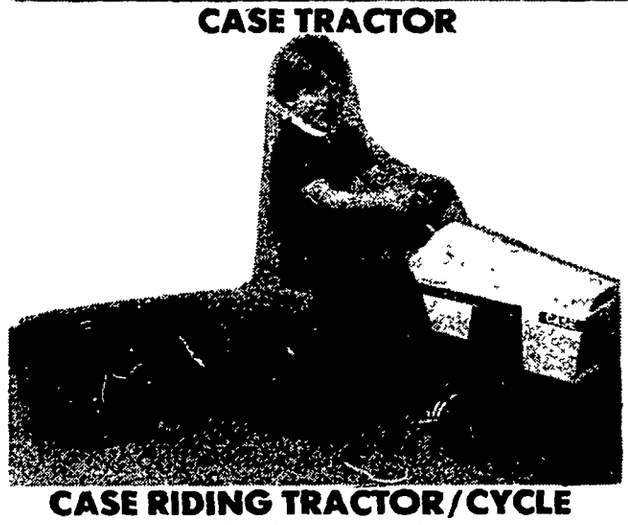
For The Children:

SAVI 10%

- ★ RIDING PEDAL TRACTORS
- ★ SCALE MODEL TRACTORS
- ★ FARM TOY SETS



CASE TRACTOR

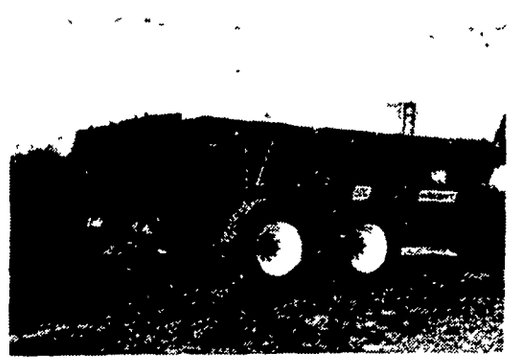


CASE RIDING TRACTOR/CYCLE
CASE TRAILER

LOOK AT THIS! We Have . Heaviest 500 Bushel Manure

NEW KNIGHT FEATURES YOU

1. Double Gratz Web Chain
2. Lower Beater To Break Up
3. Hydraulic Cylinders On Eac Gate
4. Tandem Axim With 16.5 22
5. Special Copper Bearing Ste Inhibit Corrosion
6. Heavy Duty Frame Extend To Rear Axle
7. Worm Driven Web
8. Heavy Duty Beaters With S Heaviest Bearings You Hav A Manure Spreader



SAVE on HEAVY DUTY MAN

KNIGHT

Look At This...UNLOAD YOUR LIQUI FASTER, JUST RAISE THE DUMP "410 and 350 SOUPer SOLID" Manure Spreaders In Stock

The Growing Number 1! No Ratchets or B Trouble You

- Wide spreader beaters are made of heavy auger type with ripper prong *eliminates chunks of unpulverized manure piles laying around in the fie*

TRADE-UP TIME IS NOW...Call & Make

THESE MODELS IN STOCK

Model 500 -	Regular	350 - Regu
Model 410-	SOUPer SOLID	252 - Regu
Model 350-	SOUPer SOLID	180 - Regu

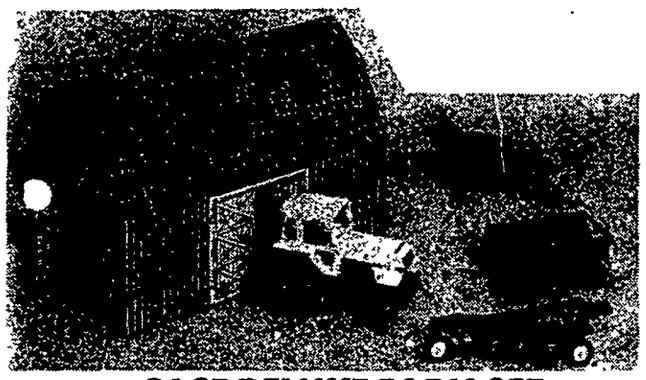
COMPARE...If You Can Find A Better Buy It!

OLIDAY SHOPPING NOW
'FCIA\ DISCOUNT DAYS!

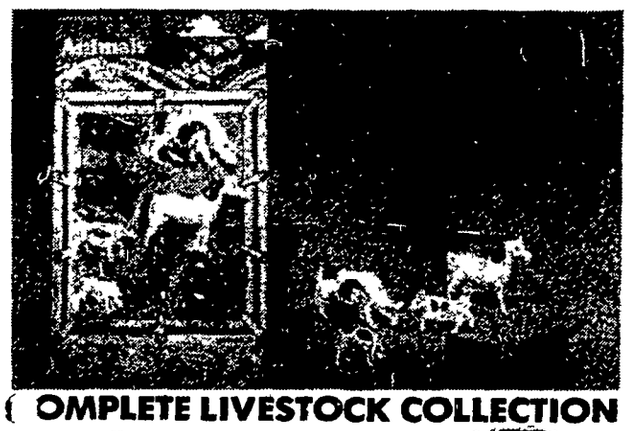
For The Man:

SAVE 10%

- ★ GLOVES
- ★ TINGLEY BOOTS
- ★ TOOLS
- ★ MANY OTHER ITEMS



CASE DELUXE FARM SET



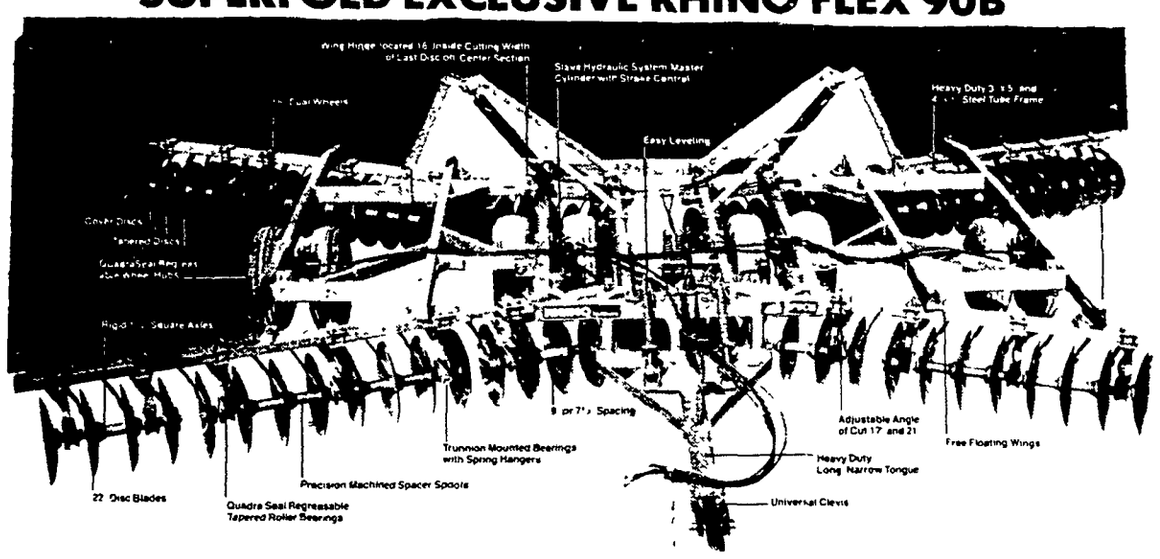
(OMPLETE LIVESTOCK COLLECTION

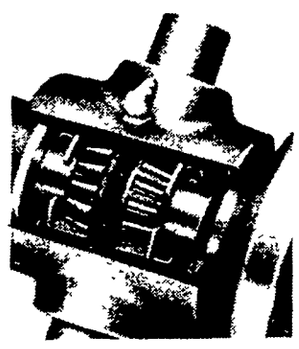
GRAVITY FEED WAGON

CASE ROUND BALER

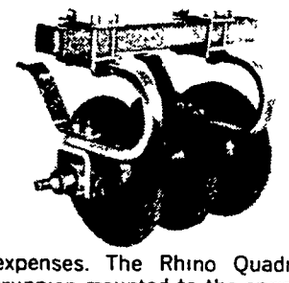
LOOK AT THIS!!

Cut and Finish...Unbelievable Special
SUPERFOLD EXCLUSIVE RHINO FLEX 90B


Wing Hinge Located 16" Inside Cutting Width of Last Disc on Center Section
Dual Wheels
Slave Hydraulic System Master Cylinder with Stroke Control
Heavy Duty 3" x 5" and 4" x 6" Steel Tube Frame
Easy Leveling
Gauge Discs
Tapered Discs
Quadra Seal Regreasable Tapered Roller Bearings
Rigid 1 1/4" Square Axles
9" or 7½" Spacing
Adjustable Angle of Cut 17° and 21°
Free Floating Wings
Trunnion Mounted Bearings with Spring Hangers
Heavy Duty Long Narrow Tongue
22" Disc Blades
Precision Machined Spacer Spools
Quadra Seal Regreasable Tapered Roller Bearings
Universal Clevis



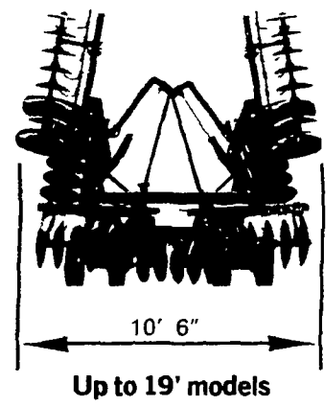
Guaranteed Quadraseal Bearings. The unique Rhino double-row tapered roller bearing is guaranteed for two years and provides greater life and dependability than competitive bearings. The Quadraseal double row tapered roller bearings offer more capacity than single row ball bearings.



Spring Bearing Hangers reduce shockloads to the blade, axles, bearings and frame when working in fields with rocks or stumps. The Rhino 1"x2" spring bearing hangers provide maximum strength, add protection, and reduce downtime expenses. The Rhino Quadraseal gang bearings are trunnion mounted to the spring bearing hangers to allow the gangs to flex freely without undue stress being placed on the gang axle.

BIG REBATES MEAN QUALITY AT PRICES YOU CAN AFFORD

CUTTING WIDTH	DESCRIPTION		PRICE
15'	9" Spacing Front & Rear Gang Blades	Regular Price.	$12,190 00
		Less Factory Rebate	4,990
		A BARGAIN AT ONLY	7,200
16'5"	9" Blade Spacing On Front 7½" On Rear Gangs	Regular Price	$12 761
		Less Factory Rebate	5,201
		A BARGAIN AT ONLY	7,560
17'8"	9" Blade Spacing On Front 7½" On Rear	Regular Price	$13,045
		Less Rebate	5,315
		A BARGAIN AT	7,730
18'10"	9" Blade Spacing Front 7½" Rear	Regular Price	$13,353
		Less Rebate	5,453
		A BARGAIN AT	7,900
19'10"	9" Spacing Of Blades Front & Rear	Regular Price	$12,864
		Less Rebate	5,014
		A BARGAIN AT	7,850



Up to 19' models

Have Just Received The
Manure Spreader Ever Built

JRES YOU WILL LIKE

atz Web Chain
ter To Break Up Chunks
Cylinders On Each Side Of End
im With 16.5 - 22 Tires
pper Bearing Steel Alloy To
rosion
y Frame Extending All The Way
le
en Web
y Beaters With Some Of The
earings You Have Ever Seen On
Spreader

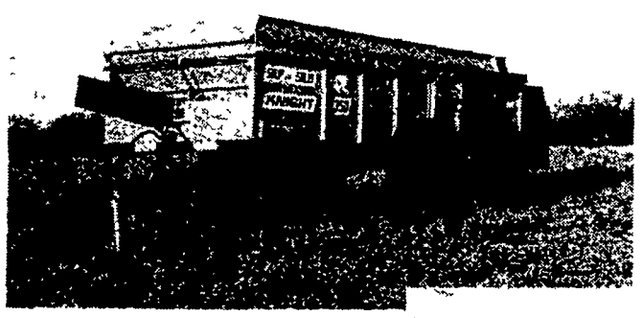
UTY MANURE SPREADERS

OUR LIQUIDS
UMP
LID"
rs In Stock
Ratchets or Belts to

with ripper prongs which
around in the field.

Make a Deal

350 - Regular
252 - Regular
180 - Regular

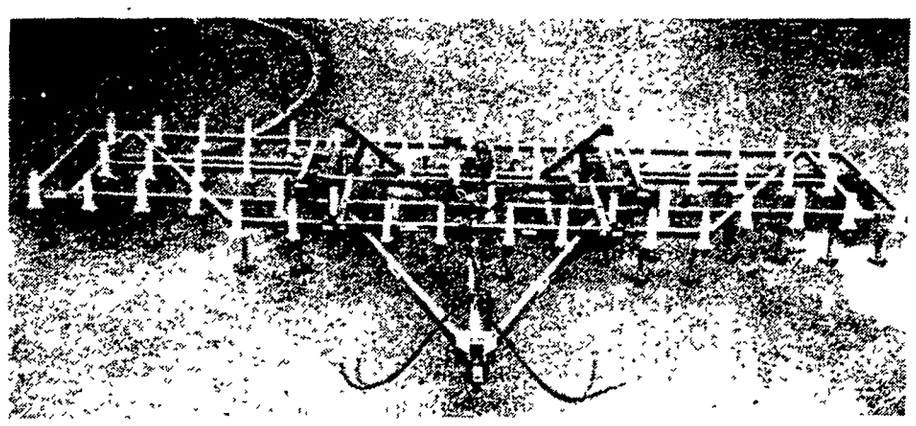


The combination of the hydraulic tilt, hydraulic rear gate, and lower spinner beater allows for a controlled spread and fast unloading.

d A Better Spreader Than **KNIGHT**..
Buy It!

LOOK AT THIS! For The Big Farmer Who Wants To Save $$$!

RHINO 26'3" WORKING WIDTH FIELD CULTIVATOR



SPECIAL FEATURES ON THIS MODEL 814-2620-311

- Transport width only 14 feet wide.
- 4 Transport wheels with tires.
- 45 Tines with replaceable bushings at hinge wear points.

Shipping Weight Approx. 4,800 lbs.

Reg. Book Price w/Setup..... $8,605

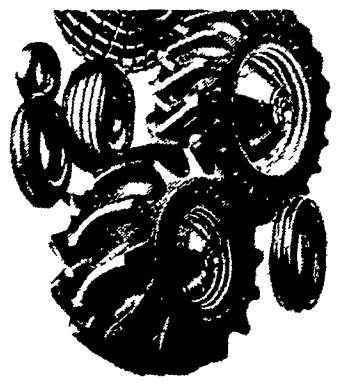
SAVE BIG BY DEDUCTING AN ADDITIONAL

19% OFF

BINKLEY & HURST BROS., INC.

133 Rothsville Station Road, Lititz, PA 17543

PH: 717-626-4705



LOOK WHAT WE HAVE FOR YOU!

Yes! We Have Tires In Stock

- FARM
- TRUCK
- INDUSTRIAL
- WAGON

RADIAL REAR TRACTOR TIRES

20.8x38	8 Ply	$575.00
18.4x38	8 Ply	475.00
16.9x38	8 Ply	400.00
18.4x34	8 Ply	395.00

NON RADIAL FRONT TRACTOR TIRES AT 10% DISCOUNT

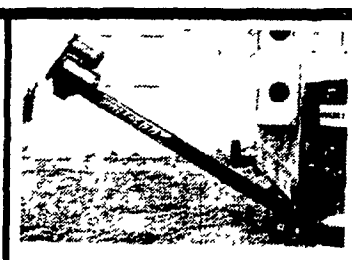
4.00x19	$31.00
4.00x15	23.00
5.50x16	27.00
6.00x16	41.00
7.50x16	65.25
6.50x16	48.00
11Lx15	72.00
11.00x16 ....8 Ply	98.50
11.00x16 Good Year Labor Tread	120.00

WAGON TIRE

12.5x15	10 Ply	$62.00
11Lx15	8 Ply	48.00

REAR TRACTOR TIRES
Now Take 10% Off Of These Low Prices

20.8x38	Firestone 8 Ply All Traction Field & Road	$590.00
1 20.8x38	MDG 10 Ply	585.00
18.4x38	Sembert 8 Ply	425.00
18.4x38	General 6 Ply	325.00
15.5x38	MDG 6 Ply	220.00
13.6x38	Goodrich Silvertown 6 Ply	250.00
13.6x38	Alliance 8 Ply	225.00
(1) 9x38	4 Ply	95.00
(1) 18.4x34	Astro 6 Ply	240.00
(1) 18.4x34	Goodrich Power Grip 6 Ply	275.00
16.9x34	Concord 6 Ply	235.00
16.9x30	Goodrich Power Grip	320.00
12.4x28	Goodrich Power Grip 4 Ply	149.00
12.4x28	Firestone All Tractor Field & Road	159.00
11.2x28	Goodrich Power Grip	135.00
1 18.4x26	Goodrich	298.00
1 95x24		95.00



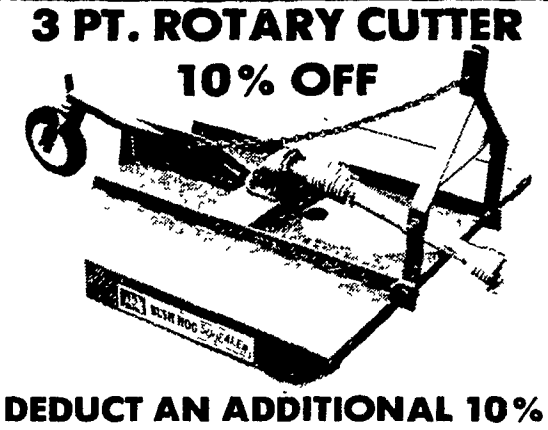
SPEED KING UTILITY AUGER

Motor Mount, Control Sleeve, Safety Cage

- 11' long by 4" diameter $116.00
- 16' long by 4" diameter $141.50
- 12' long by 6" diameter $252.00
- 17' long by 6" diameter $289.00

BUY NOW AT 10% DISCOUNT

3 PT. ROTARY CUTTER 10% OFF



DEDUCT AN ADDITIONAL 10% OFF OUR ALREADY LOW PRICES

Limited Quantity - Don't Wait.

- Bush Hog Squealer, 5' $499
- Hyco, 6' 725
- Bush Hog Model 206R, 6' 1361
- Rhino, 7' 1890

SPECIAL OFFER

NOTICE: Rake your hay, straw and corn fodder with an inexpensive, 3 pt. Wheel Rake for only

$495.00

MOST FLEXIBLE HEAVY DUTY CUTTING DISK YOU CAN BUY

Flexible Side to Side, Front and Rear

Rhino 131 Tandem Harrow

Today much is said about a "Flexible" harrow. The RHINO 131 was the first truly flexible tandem harrow. Not only is it flexible side to side but also from front to rear. This rugged harrow will meet the challenge that your toughest conditions present.

In Stock, Serial #020367

- 9'11" Cutting Width
- 24" Smooth ¼ Thick Blades
- 9½" Spacing All Blades Front & Rear
- Weight Approx. 3,662 lbs.

Regular Book Price With Setup **$5,910**

SPECIAL DISCOUNT DEDUCT ADDITIONAL 24% OFF

Walsh

TRAILER SPRAYER
NEW!!! 500 GAL. SPRAYER

With agitator and centrifugal pump w/34' boom on trailer, 11L tires

Reg. Price $3200

SPECIAL OFFER $1895

Are Your Corn Cribs Overflowing?
Add a #1 Behlen
For low cost storage

BEHLEN CORN CRIBS

Did You Know Behlen Corn Cribs are No. 4 gauge, Which is heavier than most other brands and helps to prevent bulging of sides. 3 Sizes available

Remember! Go Top Notch Quality...
GO BEHLEN

Limited Quantity In Stock At Old Prices

We Have Only A Few Left Over

Only (4) EXL 15
3,787 cu. ft.
Regular Price Only **$996** Each

Less 10% For Final Clearance Which Is Below Our Cost.

Only (4) EL 10
2,712 cu. ft.
Regular Price **$828** Each

Less Additional 10% Off For Final Clearance Which Is Below Our Cost

Buy For Next Year & Save!

Take An Additional 10% OFF
For Buying Now!

DIG YOUR POTATOES THE EASY WAY!

They Do Work!
The 3 PT. HITCH, 1 ROW

POTATO PLOW

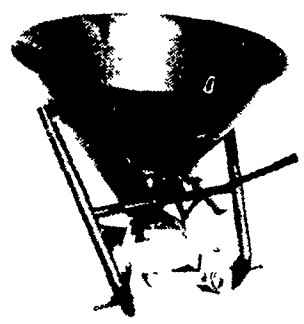
HEAVY ANGLE TOW BAR
Features:

- FRAME-Welded Construction
- SHANK-1"x4"
- HITCH-Standard Category 1
- BUSHER SHAPE

IN STOCK

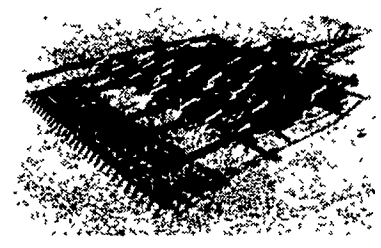
$97.85 COMPLETE

NEW!
3 Pt. Fertilizer Spreader and Seed Caster with Agitators



- Model 1010, 10 Bushel One Only .. **$329.00**
- Model 610, 6 Bushel One Only .. **$310.00**

BRAND NEW
Price Reduced for Quick Sale



GLENCO SOIL FINISHER

SAVE FUEL, TIME & CHEMICALS

- One-pass seedbed preparation
- Now more than ever this new proven machine makes sense
- Model # SF129, set-up, ready to go

1 ONLY - SPECIAL

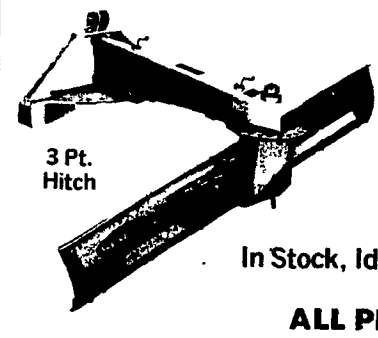
$6480.00

Plus An Additional 15% OFF

Also Almost New
GLENCOE SOIL FINISHER
Model SF129
(Used on about 30 acres)

$5495

Less Another 5% OFF
For Quick Sale



Pre-Season
SNOW ALERT!

Look Out! Winter is almost here... get ready now with these blades

HEAVY DUTY RHINO BLADES

In Stock, Ideal for Barnyard scraping and snow removal.

ALL PRICES LESS 15% OFF

Rhino Model 100 w/ 8' blade	$318	Rhino Model BR w/ 7' blade	$1028
Rhino Model LR w/ 6' blade	$514	Rhino Model BR w/ 8' blade	$1045
Rhino Model LR w/ 7' blade	$546	Rhino Model 900 w/ 7' blade	$1142
Rhino Model LR w/ 8' blade	$561	Rhino Model 950 w/ 8' blade	$1408
Rhino Model BR w/ 6' blade	$999	Rhino Model 2000 w/12' blade w/cylinder for swing plane wheel	$4119

Remember 15% OFF These Prices

BRAND NEW - ONE ONLY

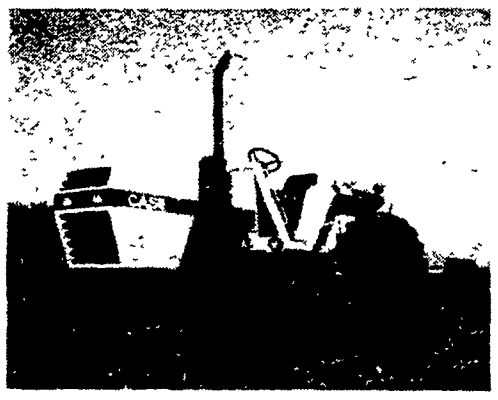
Model - B9DOW

Disc Type Wheels
Weight - 4600#
Capacity - 18000# @ 60 MPH
Overall Length - 24'6"
Overall Width - 96"
Bed Length - 18'0"
Bed Width - 96"
Bed Height - 34"
Tires 9 50x16 5 (E)

Serial #1120BD 307CA 090150
Complete With Wiring Harness For Your Truck Cab
Regular Price w/Freight & Setup
$5985.00

NOW TAKE A BIG 35% OFF THIS PRICE AND SAVE $$

SPECIAL



BRAND NEW 2090 CASE

108 HP, 504 Cu. In., 18.4x38 Tires, 540/1000 RPM PTO, Dual Remotes, 8 Speed Trans., 2 Yr. Warranty

CASE Quality For Only

$25,960.00

SAVE $.$ $

Plus any financing programs in effect

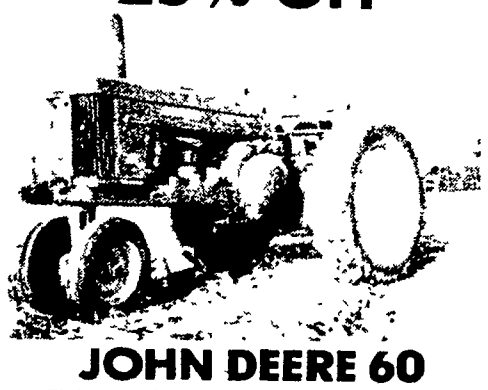
WE SMASHED OUR

So You Can Afford To Buy This Year, Before You Lose Investment Credits & Depreciation Under the New 1983 Program

(See Page 1 for more information)

PURCHASING IN 1982 HAS A TAX ADVANTAGE...WHY WAIT UNTIL 1983!

25% OFF



JOHN DEERE 60

Tricycle Front w/Power Steering, Gas Engine, Nice

$1850

Less 25% OFF

25% OFF Moline Super Jet Star 3

3 Pt. PTO, Wide Front w/Power Steering, Serial #28302992

$2,250 LESS 25% OFF

5% OFF

CASE 586C DIESEL

6000 lb. Forklift w/48" Pallet Forks Side Shifter, Only 1079 Hrs. Serial #9001042

Only **$17,900** Less 5%

7% OFF

IH 1466

Cab, air, heater, 18.4x38, good TA, dual hydraulic remotes, 3276 hrs., dyno check at 158+ h.p. Serial #26501284025369

$14,900 Less 7% OFF

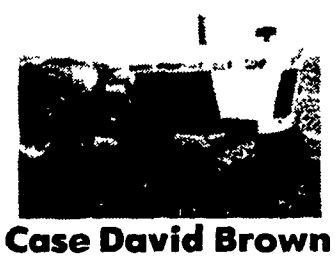
10% OFF

Case 930 Comfort King Diesel Tractor

New battery serviced, ready to go, rear wheel weights & full set of front weights, new clutch 2 yrs. ago. Appro. 82 H.P. Nice Condition. Serial #8254288

$6,350 Less 10% OFF

25% OFF



Case David Brown 1200 series

65 HP Rated Diesel engine, 1967 Model, 18.4x30 rear tires on power adjust rims, approx. 3431 hrs., still going strong. New clutch 2 yrs. ago, good battery, 3 pt. hitch, PTO 540-1000. Serial # 702764

$6,350 Less 25% OFF

CASE 830 GAS

Wide front power steering, Case-O-Matic, 3 pt. hitch Eagle type, 540 PTO, 1963 model

$2,250 Less 16% OFF

20% OFF

MF Model 275 Diesel

tractor, 38" rear wheel, approx. 1240 hrs., 3 front weights, in excellent condition. Serial #9A214568

$10,500 Less 20%

10% OFF

LOOK! There are 300 Horses Coming Your Way If You Buy This Like New Case 2870 4 Wheel Drive Tractor Now!

With on the go power shift transmission, 20.8x34 tires with factory 20.8x34 duals, 4 hydraulic remotes. PLUS 4-WAY SELECTIVE STEERING ★ Approx. 600 Hrs. Ready For Hard Work

LIKE NEW For Only

$48,500 Less 10%

Hurry, Don't Wait

23% OFF

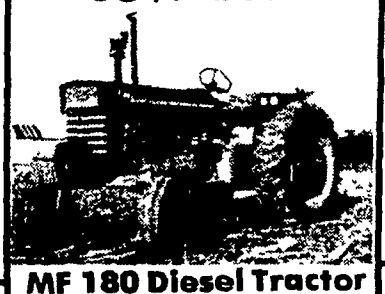
CASE 2470

4 Wheel Drive with all the Goodies: Hillside crab steering, PTO, 3 pt. hitch, remote hydraulics, cab, air, heater. 23.1x30 tires in ex. cond., 2904 hrs. Serial #8712282

$25,900... Remember, Deduct 23%

A Steal!

10% OFF

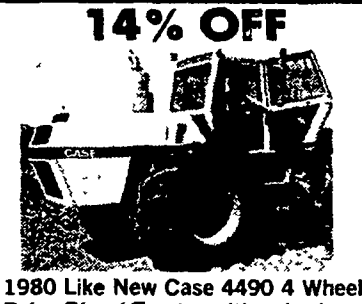


MF 180 Diesel Tractor

Good multi-power, 15.5x38 tires, 6 front weights, 540 PTO, approx. 3766 hrs., Serial #3766. This is a good solid tractor.

$5,350 Less 10% OFF

14% OFF



1980 Like New Case 4490 4 Wheel Drive Diesel Tractor with only about 565 hrs., 20.8x34 radial tires, 3 pt. hitch, PTO, 4 remotes

$44,800 Less 14% OFF

10% OFF

Buy Late Model Used and Save Money

Case Model 2090 Diesel Tractor

Cab, Air, Heater, On The Go Power Shift Transmission, 20.8x38 rear tires, Dyno. checked at Approx. 120 HP, front end weights, 504 cu. in Diesel engine. Ready for Work. Serial #8837838

$22,900

Less 10% OFF

25% OFF

David Brown 880 Diesel

40 H.P. Class, 3 pt. Hitch, Good Condition Serial #88A544153/S

$3,800 Less 25% OFF

20% OFF

IH 1086

1978 Model, approx. 1300 hrs., canopy with Enclosure Kit, 540 - 1000 RPM PTO, 16 speed transmission, needs TA, has water filter kit, 10 front weights, 20.8x38 rear tires about 15%

Only **$16,850**

Less 20% OFF

DEDUCT ANOTHER 5%

CASE 2290

129 HP rating, 12 speed power shift trans., 8 front weights, 20.8x38 tires about 30%, 540 & 1000 RPM PTO, 4 post Rops, current model, only 748 hrs. Serial #8835663

Only **$17,800**

Less 5% OFF

Optional Cab Enclosure Kit Available At Only $624.00

15% OFF

1980 Model, like new

CASE 2290

Rated 129 HP, standard shift, approx. 59 hrs., 20.8x38 rear tires, 4 Post Rops, Serial #8845411.

$22,500

Less Big Discount Of 15% OFF

Makes A Real Bargain

Optional Enclosure Kit Available At Only $624.00

16% OFF

CASE 970 Black Knight Special cab, air, heater, rated 90-100 HP, 12 speed power shift trans., 18.4x38 rear tires, 6 Cyl. 401 Cu. In. engine, good running condition, Serial #8688574

Only **$11,850**

Less 16% OFF

9% OFF

Beautiful **1690 Case Diesel** 95 HP, cab, air, cond., heater, 12 speed power shift trans., 18.4x38 tries, dual remotes, 6 cyl. engine, only 40 hrs. 540 & 1000 RPM PTO Shaft, 22 Mo. Warranty Still Remaining.

A Real Buy At **$21,800!!**

Less 9% OFF

IH 856 DIESEL

Narrow Front, 18.4x38 Rear Tires Approx. 60%, Hydraulic Seat, Approx. 2800 Hrs., Nice Condition. Serial #8359 SY

$8,760 Less 13% OFF

10% OFF

CASE 970

Rated 90 - 100 HP 12 speed power shift trans., cab, air, heater, 20.8x38 tires 80% tread, dual remotes, 540 & 1000 reversible PTO shaft, Serial #8655835

$12,900

Less 10% OFF

14% OFF

IH 856 DIESEL

1 owner tractor, 10 front weights, 540/1000 RPM PTO, 16 speed trans., w/good TA, 18.4x38 rear tires 60%, dual remotes, very nice, Serial #22747

$8,960

Less 14% OFF

11% OFF

Like New! Must See To Appreciate

IH 1086

Cab, air, heater, 1981 model, 860 hrs., new 20.8x38 rear tires, new 14Lx16 front tires, 16 speed. trans., deluxe interior, auxiliary fuel tank, 12 front weights, dual remotes

$25,600

Less 11% OFF

12% OFF

WHITE 4-150

4 wheel drive, w/cab, air, heater, Cat 3208 Diesel engine, 1000 RPM PTO 6 speed, w/over-under shift, 3 pt. hitch, 3 remote outlets, Serial #246229403

Nice Clean Condition

Only $21,600

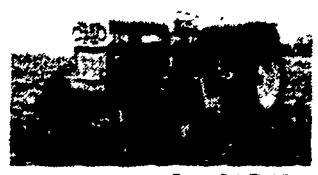
Less 12% OFF

BINKLEY & HURST BROS., INC.

133 Rothsville Station Road, Lititz, PA 17543

PH: 717-626-4705

17% OFF

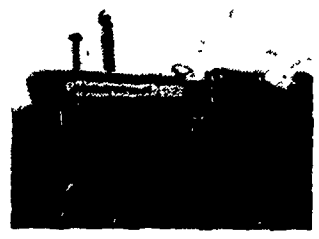


560 LONG DIESEL

Approx. 53 HP, 4 wheel drive, 1975 model, 8 speed trans.: forward 2 reverse, 14.9x28 rear tires - 10:00x 20 front tires, dual remote, approx. 1200 hrs., w/Dunham Lehr mounting bracket kit, good rubber

$5,985 Less **17% OFF**

15% OFF

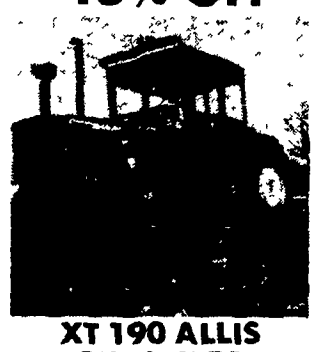


G900 MINNEAPOLIS-MOLINE DIESEL

540 & 1000 RPM PTO 4 speed with hi-lo trans., hydraulic Hi-Lo shift, 3 pt. hitch, 18.4x38 rear tires, engine rebuilt 500 hrs. ago

$6,500 Less **15%**

18% OFF



XT 190 ALLIS CHALMERS

Year-A-Round cab, 540 PTO, good paint, 18.4x34 tires worn, 3 pt. hitch, rear wheel weights, dual remotes, 93 HP Serial #12823 DXT Rear trans. updated, trans. updated

$6,860 Less **18% OFF**

15% OFF

480 DIESEL CASE

Industrial Loader Tractor, 14.9x24 rear tires, forward & reverse shuttle, 3 pt. mod hitch, can be removed for backhoe, 73" bucket, Serial #8667108

$5,780 Less **15% OFF**

20% OFF

A.C. DIESEL TRACTOR

Model 185, 1 owner, ex. cond., hydraulic outlet, 540 - 1000 PTO, approx. 2265 hrs., Hi-Lo shift, rear wheel weights, front weights, rear 18.4x30 tires approx. 40%, 9.5Lx15 front tires, new brakes, Serial #9819D. Ready For Hard Work

Only $11,227
Less 20% OFF

20% OFF

GEHL 4400 SKID LOADER

Serial #2661, 7:00x15 tires, Ford water cooled, 44 HP, 1 owner, new bucket 65"

$6,600
Less 20% OFF

20% OFF

NEW CASE 1845 UNI-LOADER

Hydrostatic drive, 45 HP diesel engine, water cooled 4 cylinder Case engines, self leveling loader, ROPS, parking brake and tool tach-standard, 12:00x16.5 - flotation tires, 73" wide material bucket, Serial #9829885

$12,850 Less 20% OFF

Also

(2) GOOD USED CASE 1845 GAS UNILOADERS AT 12% OFF

12:00x16.5 flotation lug tires, 73" buckets,

Serial #9831284
$8,950
Serial #9831285
$8,750
Remember - Less
12% OFF These Prices

12% OFF

FORD CL-40 SKID LOADER

Ford V-4 gas engine, 60" bucket, canopy, Serial #6563

Only **$7,880**
Less **12% OFF**

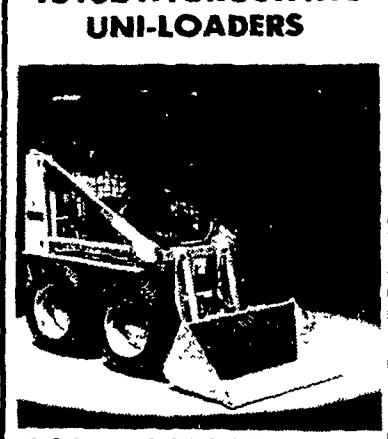
10% OFF

MUSTANG 1700A

V-4 Ford gas engine, good tires, nice paint, engine rebuilt winter of 1981, torque converter, Serial #10799

$5,900 Less 10%

1816B HYDROSTATIC UNI-LOADERS



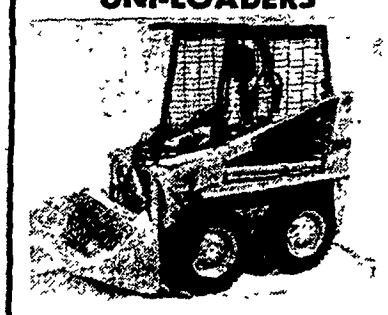
1816B HYDROSTATIC UNI-LOADERS
MODEL 1816B
Serial #9846238
$3450 Less 10%
MODEL 1816B
Serial #9829862
$3850 Less 15%
MODEL 1816B
Serial #9845918
$4250 Less 20%
MODEL 1816C
Serial #9845579
$4900 Less 5%

25% OFF Owattona 330 Skid Loader

24 HP Hydrostatic Drive With Bucket

$4,900 Less 25%

CASE 1830 HYDROSTATIC UNI-LOADERS



Serial #9849328, 520 Hrs.
$9380 Less 5%
Serial #9829811, 1975 Model
$5900 Less 16%
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CASE 1737 UNI-LOADER

with narrow tires, quick attach bucket, Case gas engine. Only

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Completely rebuilt, 30 HP Wisconsin engine, bucket & manure fork. NICE.

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10 HP engine, 36" mower deck, approx. 1 yr. old

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With Ford 4 cylinder gas engine, self leveling loader, 10:00x16.5 tires, 40 H.P., 65" wide bucket, T bar control.

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gas engine air cooled, 1 owner, 7:00 x15 tires, 65" bucket, Serial #1141

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- New Pittsburg drag spring harrow, 8 ft. wide ... $ 461.00
- New Ohio dump cart for your garden tractor ... $ 179.00
- New Year-A-Round 3 pt. quick hitch to fit your 3 pt. ... $ 355.00
- New Holland hay pickup header ... $ 680.00
- Used Dunham Lehr 16 ft. cultimulcher, ex. cond. ... $1850.00
- Case heavy duty Cat II III quick coupler adjustable hitch for your 3 pt. tractor hitch ... $ 480.00
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- Gehl Model CB600 Harvester with 2 row wide corn head with 540 PTO, 11Lx15 tires, manual controls, hi-rise spout extension ideal to blow in trucks ... Only $1850.00
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LOOK! DON'T MISS THESE MISCELLANEOUS NEW & USED SPECIALS

TAKE 10% OFF ALL PRICES LISTED BELOW

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- New Knight 180 bu. PTO manure spreader w/Gatz Web Serial #180-1593 ... $3205.00
- New Holland crop carrier #8 w/3 beater & roof, used 1 season w/new 8 ton gear w/11Lx15 8-Ply tire ... $5260.00
- Excellent condition Amco transport 19' 6 disk w/rock flex hanger, double offset, hoses to tractor ... $6990.00
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Remember, Take 10% OFF Prices Listed Above

50% OFF

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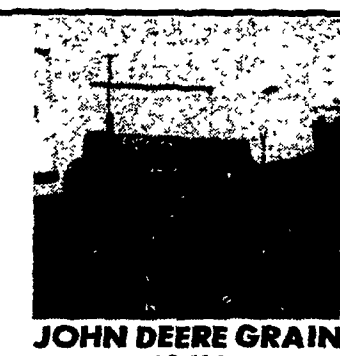

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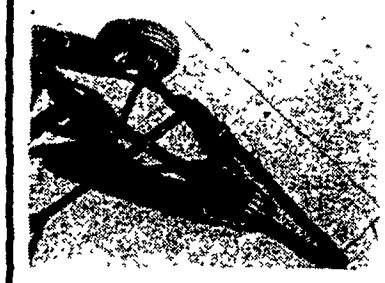

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GOOD USED GEHL 1200 HARVESTER

In Excellent Condition with Hydraulic Spout Control, Electric Spout Cap and Transmission Control, Cutting Knives Are 50% Life, Hydraulic In Head Sharpener, 1000 RPM PTO, Used Approx. 3 Seasons, Completely Serviced and Field Ready.

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